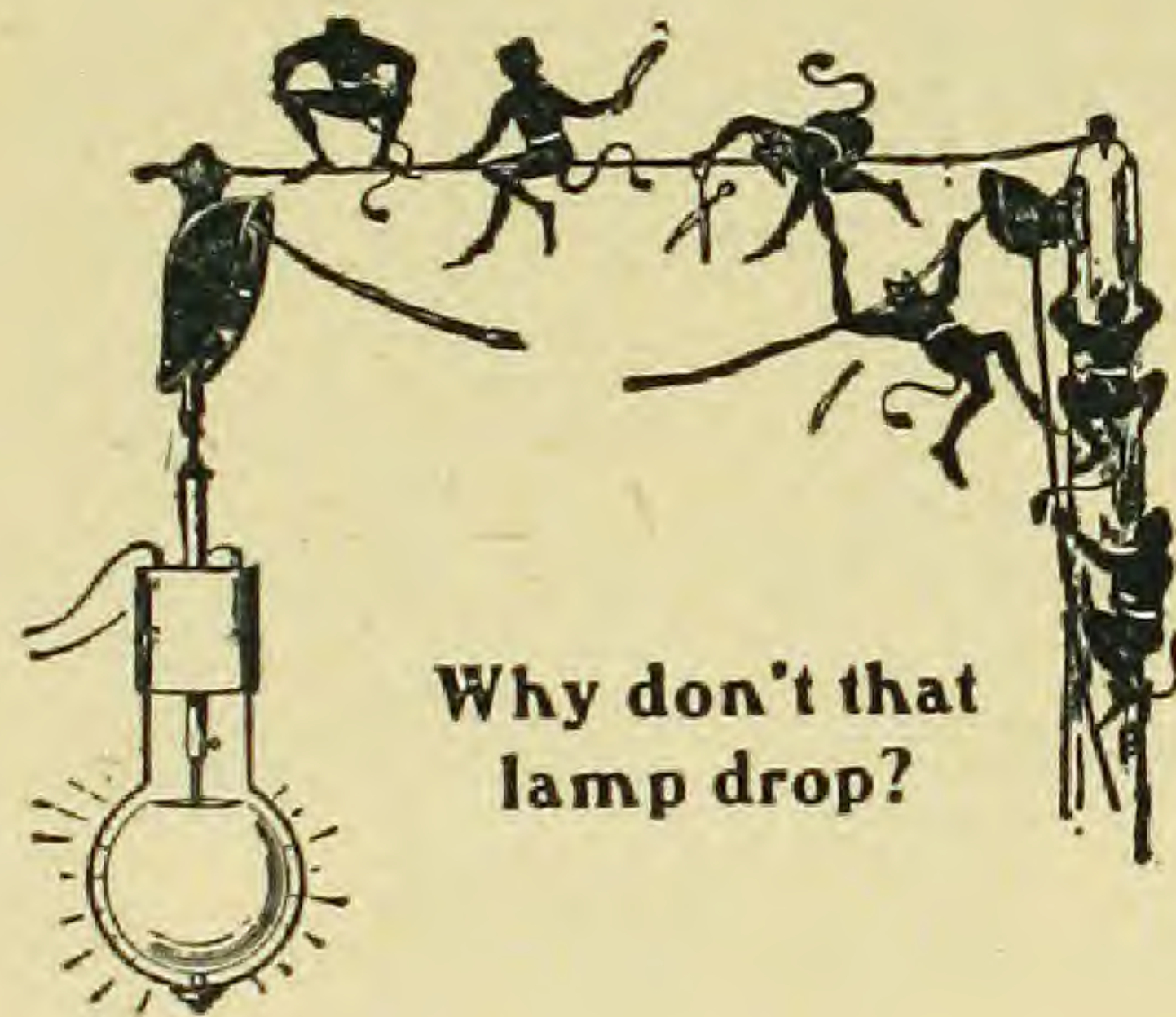


Catalog Number Nine

CUTTER'S ELECTRIC LIGHT SPECIALTIES



Why don't that
lamp drop?

THE PRODUCT OF FIFTEEN YEARS DEVOTED
TO MAKING AND PERFECTING DEVICES
FOR INSULATING AND SUPPORTING
OUT-DOOR LAMPS

George Cutter Co.

PATENTEES AND SOLE MAKERS

Union and Fulton Streets

CHICAGO

CUTTER'S CUTOUT PULLEY (Patented—Other Patents Pending)

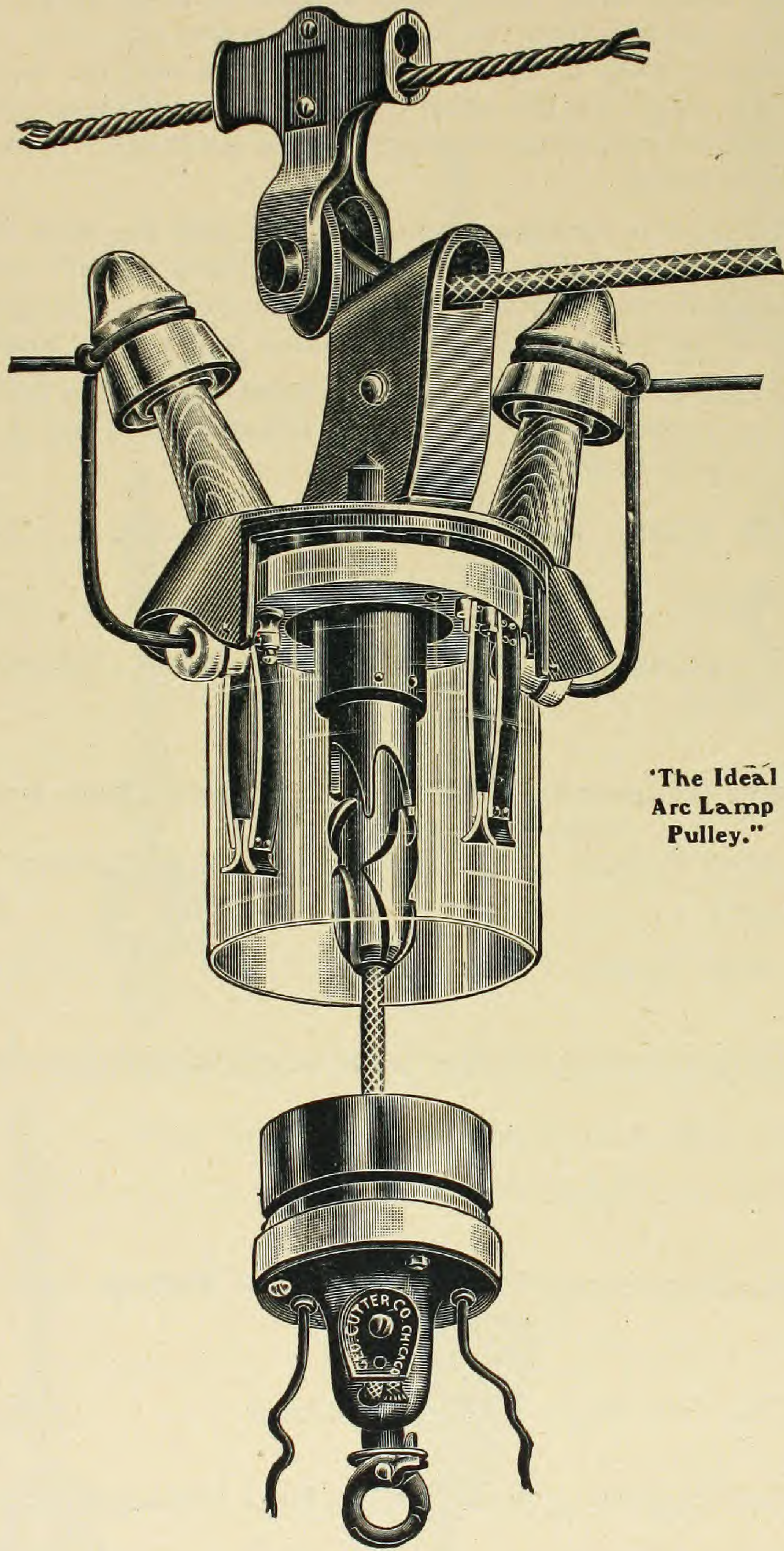
A PULLEY which not only holds the lamp securely when raised, but also shunts the circuit before the lamp is lowered, switching the lamp into the circuit again when raised to its normal position. An ingenious, simple and positive supporting arrangement sustains the lamp independent of the hoisting rope, while contact rings connected to the lamp make the needed electrical connections. Double phosphor bronze contact springs with heavy copper contact shoes (and rubbing action to keep the surface clean) insure good electrical connection. The whole device is designed for ample insulation between the conducting parts and the support so as to avoid grounds and leakage.

With this pulley the wires are never lowered, hence they can be run taut (making neater construction) while the lamp can be lowered straight down between trolley wires or other obstacles. Lamps can be trimmed, adjusted or even replaced with safety on the live circuits, thus reducing the deductions for outages of street lamps.

Both the switching and the lamp-supporting features are entirely automatic in action: "You pull the rope—the pulley does the rest."

Price—Complete as pictured (except rope and wire).....	(<i>Vest</i>)	\$5.00
Same with end clamp for 1¼-inch (bore) iron pipe.....	(<i>Vestal</i>)	5.00
Same with end clamp for 1½-inch (bore) iron pipe.....	(<i>Vested</i>)	5.00
Same with sleeve clamp for 1¼-inch (bore) iron pipe.....	(<i>Vesting</i>)	5.00
Same with sleeve clamp for 1½-inch (bore) iron pipe.....	(<i>Vestige</i>)	5.00
Same with sleeve clamp for 1-inch (bore) iron pipe.....	(<i>Vestally</i>)	5.00
Same with sleeve clamp for ¾-inch (bore) iron pipe.....	(<i>Very</i>)	5.00
Same with Ceiling Plate (for beams or girders).....	(<i>Vexable</i>)	5.00

Use Cutter's ⅜-inch (or ½-inch) "Banner Core" Rope or Cutter's "Ebony" Wire Rope with the above pulleys.



'The Ideal
Arc Lamp
Pulley.'

CUTTER'S CUTOUT PULLEY.

1D 91-B2768 TCF

CUTTER'S LAMP-SUPPORTING PULLEY

HOLDS the lamp when raised and releases it when about to be lowered. Has a long swivel clamp to fit any size suspension wire or cable, and a malleable iron knob to hold the lamp. On raising the lamp this knob is engaged by ridges on the sides of the pulley and takes all strain off the rope. Another pull at the rope guides the knob out so that the lamp can readily be lowered.

The action is entirely automatic; you pull the rope till it reaches a dead stop and the pulley does the rest. There are no extra catches or fingers to bend out of shape, or bind on the casing, or to get clogged with sleet. It is the only weatherproof safety pulley that works every time.

(Beware of crude imitations, that work only when the trimmer stops the rope at a certain exact point, and which have a lot of extra moving parts to keep in order.)

Complete, with Clamp Knob.....(*Wager*) \$0.80

Extra Clamp Knob.....(*Waxen*) .15

(Made of malleable iron, with wrought iron hook. Clamps any size rope up to $\frac{1}{2}$ inch.)

Cutter's Lamp Supporting Pulley with Jupiter Cross Arm

FITTED direct to knob (The ideal combination for circuits of extra high voltage).....(*Virgin*) \$1.80

Knob alone with Jupiter Cross Arm.....(*Virtuoso*) 1.15

Cutter's Lamp-Supporting Pulley with Triple Insulation Arm

COMPLETE with arm fitted direct to pulley knob.....(*Wrestle*) \$1.55

Knob alone with Triple Insulation Arm.....(*Wrestling*) 0.90

Cutter's Lamp-Supporting Pulley with High Voltage Insulator

Price.....(*Wag*) \$1.30

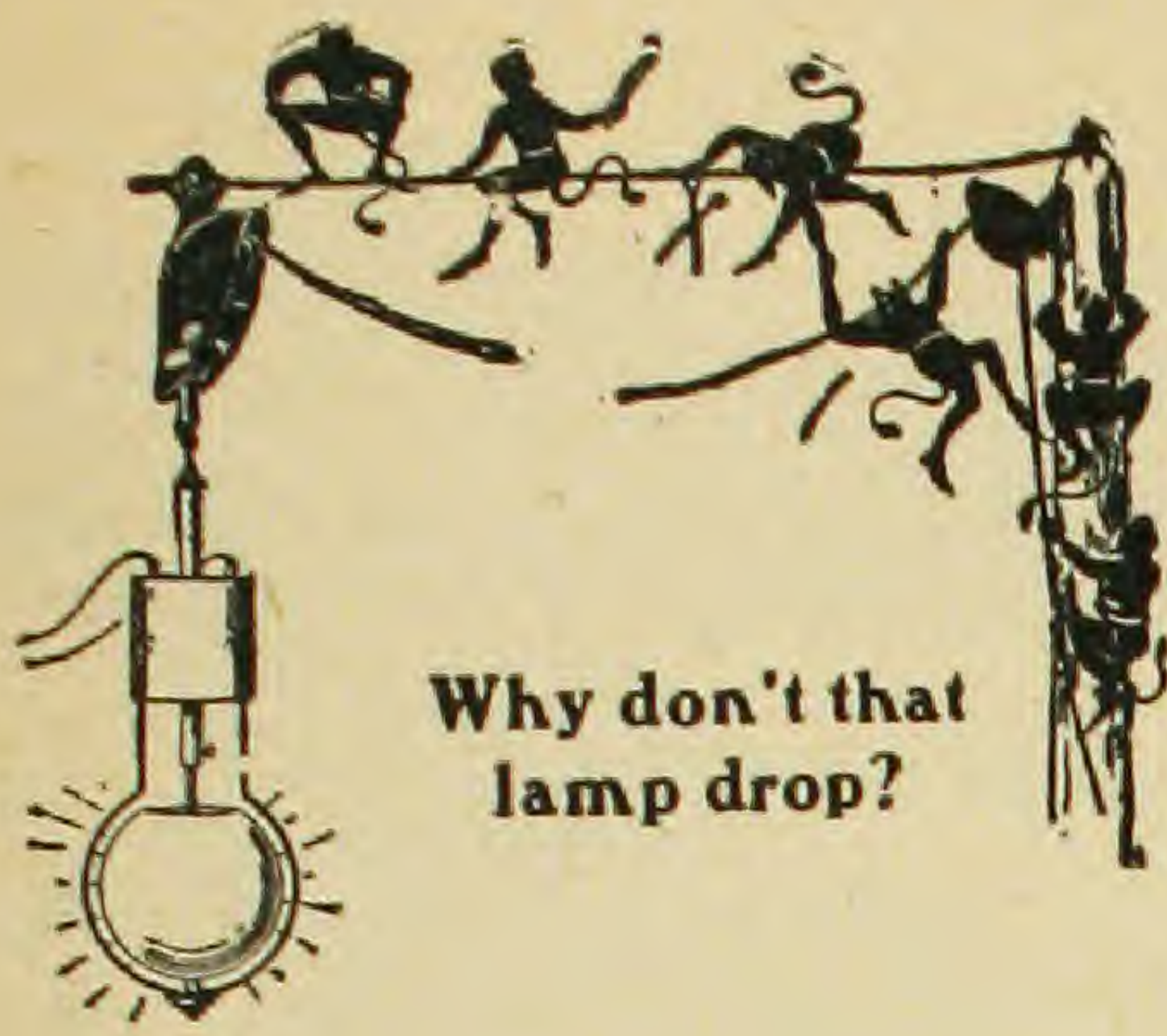
Knob alone with High Voltage Insulator.....(*Wagonette*) 0.65

Cutter's Lamp-Supporting Pulley with High Voltage Arm

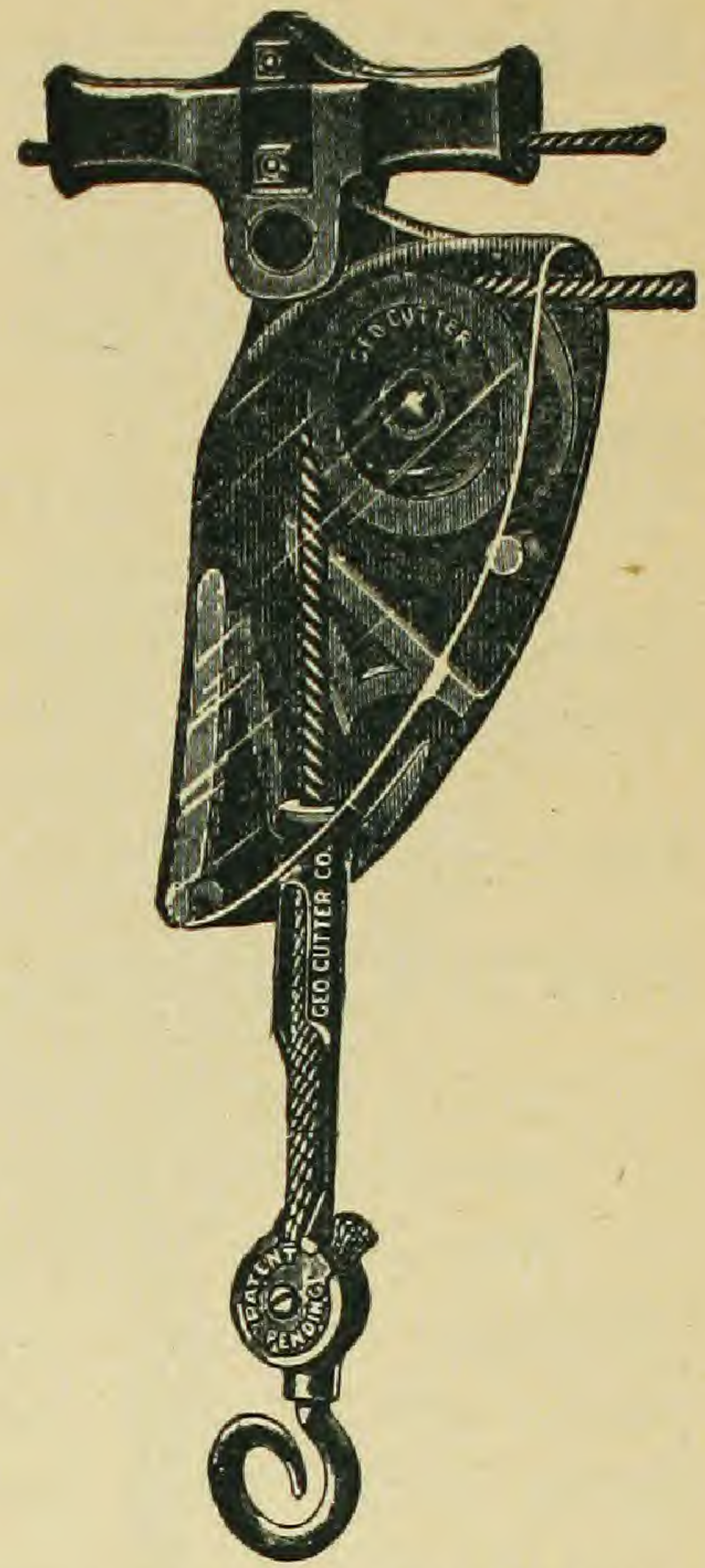
COMPLETE with arm fitted direct to pulley knob.....(*Wagering*) \$1.50

Knob alone with High Voltage Arm.....(*Waggoner*) 0.85

Use Cutter's $\frac{3}{8}$ -inch (or $\frac{1}{2}$ -inch) "Banner Core" Rope or Cutter's "Ebony" Wire Rope with the above pulleys.



Why don't that lamp drop?



LAMP-SUPPORTING PULLEY. "WAGER."



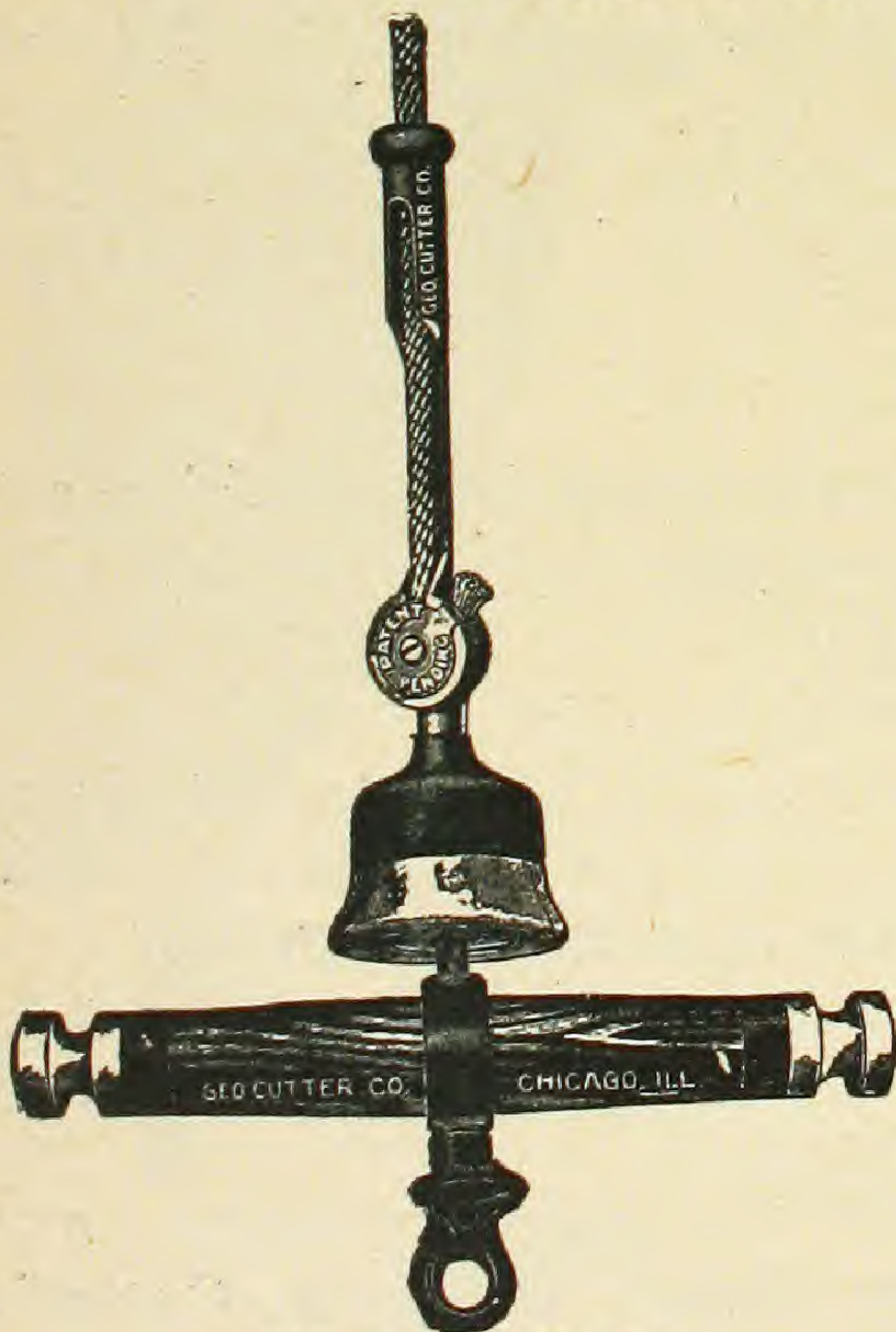
"WAG."



EXTRA CLAMP-KNOB "WAXEN."



"WAGONETTE."



"WRESTLING."



"WAGERING."



"WRESTLE."

CUTTER'S MAST-ARM PULLEY

A MODIFICATION of the lamp-supporting pulley for use with the standard mast-arms. Has an extra strong *single piece* clamp which fits the iron pipe and which also forms the head piece, so that the strain rods can be run direct to it.

Cutter's Mast-Arm Pulley for 1 $\frac{1}{4}$ -inch (bore) iron pipe, with Clamp Knob	(<i>Waif</i>)	\$0.90
Same for 1 $\frac{1}{2}$ -inch (bore) pipe.....	(<i>Wadded</i>)	.90
Cutter's Mast-Arm Pulley for 1 $\frac{1}{4}$ -inch pipe, with Triple Insulation Arm	(<i>Warped</i>)	1.65
Same for 1 $\frac{1}{2}$ -inch (bore) pipe.....	(<i>Walrus</i>)	1.65

CUTTER'S OUTRIGGER PULLEY

ANOTHER form of the lamp-supporting pulley, with a clamp to fit the standard outrigger pipes (iron pipe of $\frac{3}{4}$ -inch bore). For a picture of this pulley in use see page 37.

Outrigger Pulley complete with Clamp-Knob.....	(<i>Waiter</i>)	\$0.80
Same with High Voltage Cross-Arm.....	(<i>Waitress</i>)	1.50
Same with Triple Insulation Arm	(<i>Wapiti</i>)	1.55

CUTTER'S BIG PIPE OUTRIGGER PULLEY

SIMILAR to above, for 1 $\frac{1}{2}$ -inch (bore) pipe, with Clamp-Knob	(<i>Wooden</i>)	\$0.90
Same for 1 $\frac{1}{4}$ -inch (bore) pipe.....	(<i>Woodbine</i>)	.90
Same for 1-inch (bore) pipe	(<i>Woodsy</i>)	.90
Same for 1 $\frac{1}{4}$ -inch (bore) pipe, with Triple Insulation Arm..	(<i>Washer</i>)	1.65
Same for 1 $\frac{1}{2}$ -inch (bore) pipe, with Triple Insulation Arm	(<i>Washout</i>)	1.65
Same for 1-inch (bore) pipe, with Triple Insulation Arm..	(<i>Washline</i>)	1.65

CUTTER'S CEILING PULLEY

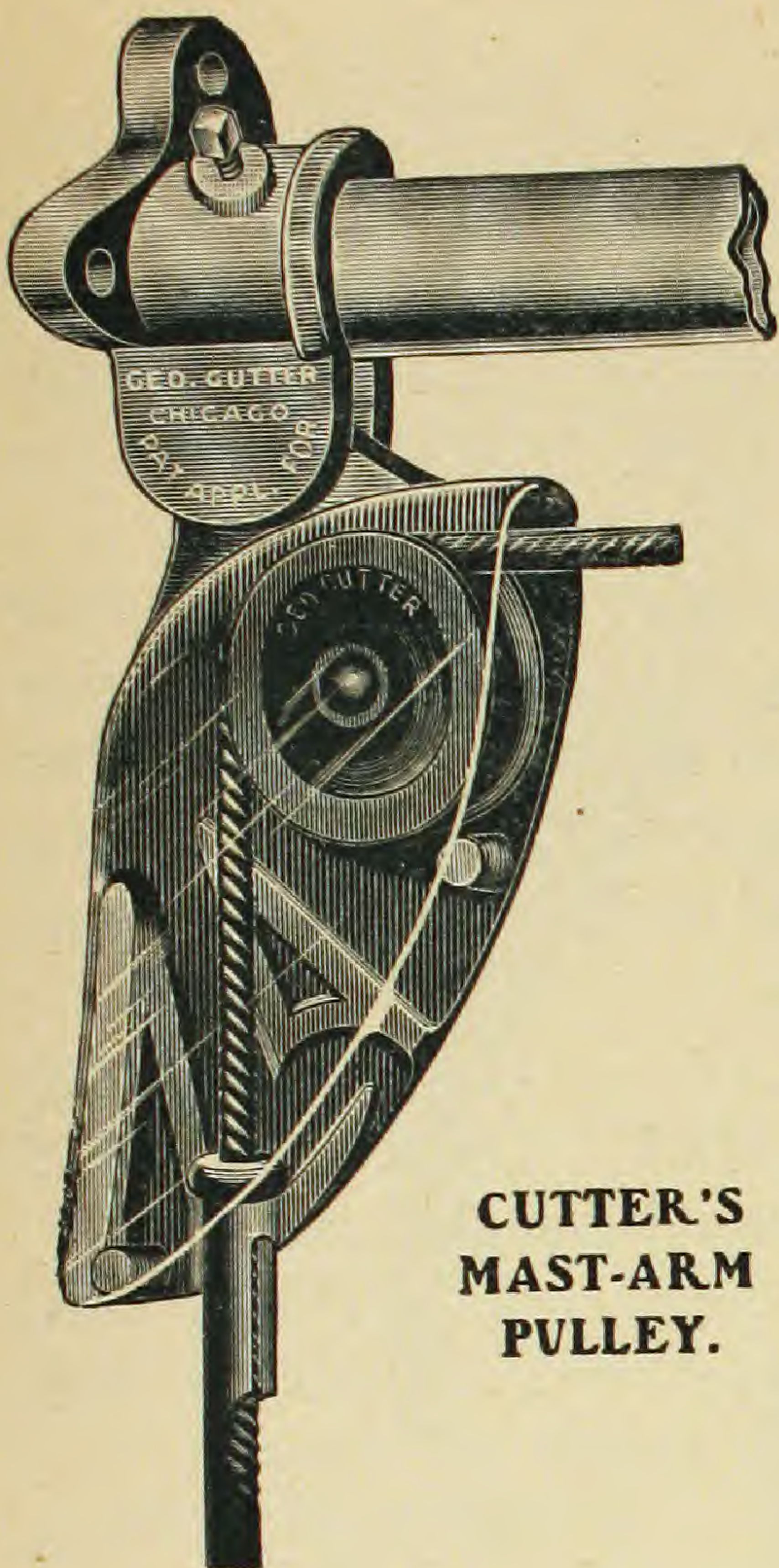
FOR use on bridges, or under beams in shops and yards, etc. With lamp-supporting Clamp-Knob	(<i>Waggish</i>)	\$0.90
Same with Triple Insulation Arm.....	(<i>Wainscot</i>)	1.65
Same with High Voltage Cross-Arm.....	(<i>Wandering</i>)	1.60

CUTTER'S INNER-ROPE PULLEY

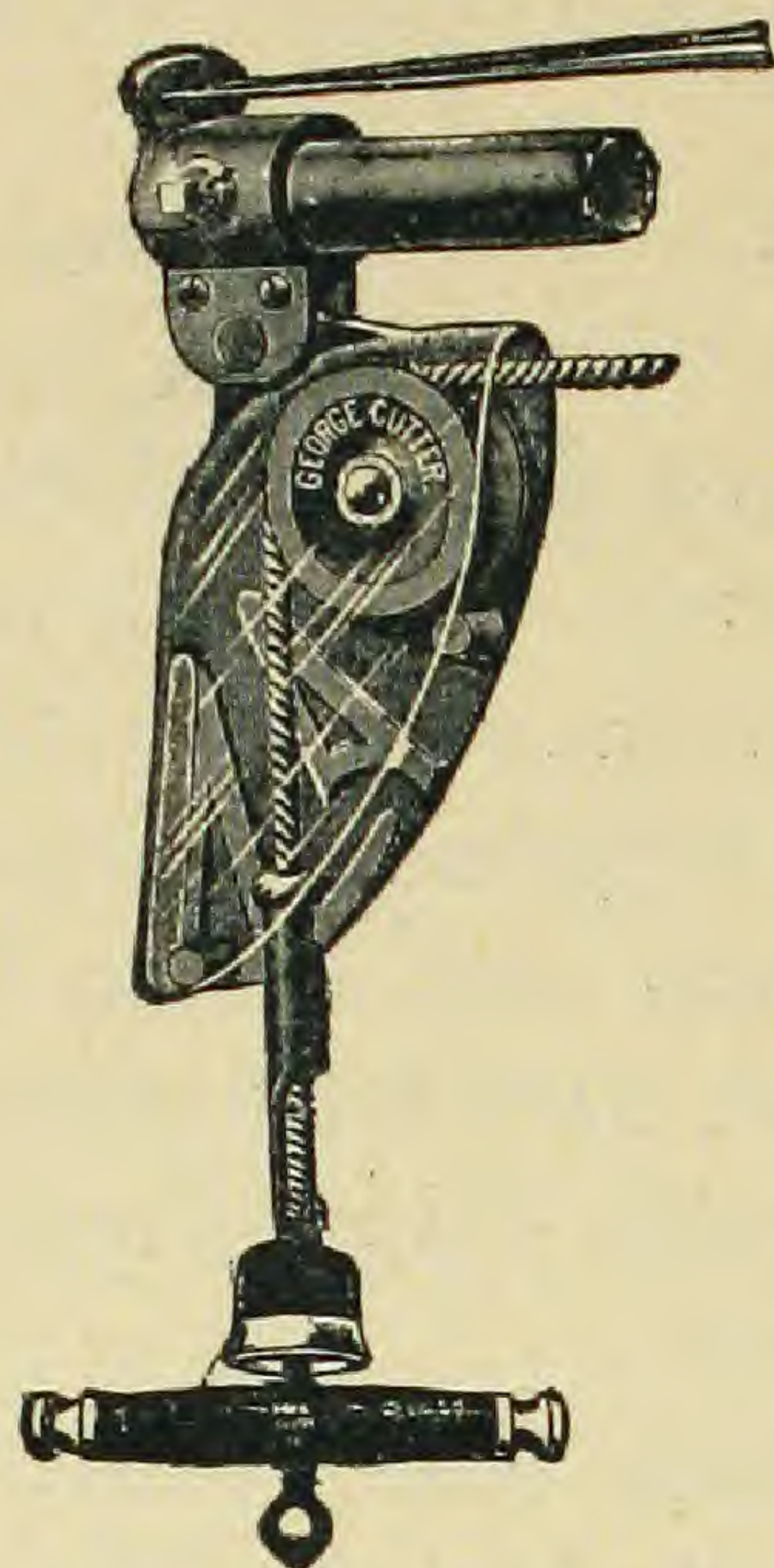
A LAMP-SUPPORTING pulley with a hooded end clamp for use with mast-arms in which the rope runs through the iron pipe. (For complete Cutter's Inner-Rope Mast-Arm, see page 45.)

Price, complete, with Clamp-Knob, for iron pipe of 1 $\frac{1}{4}$ -inch bore	(<i>Watchword</i>)	\$1.00
Same, for 1 $\frac{1}{2}$ -inch (bore) pipe.....	(<i>Watermelon</i>)	1.00
For 1 $\frac{1}{4}$ -inch (bore) pipe, with Triple Insulation Arm fitted to pulley knob	(<i>Wasteful</i>)	1.75
Same for 1 $\frac{1}{2}$ -inch pipe.....	(<i>Wayside</i>)	1.75

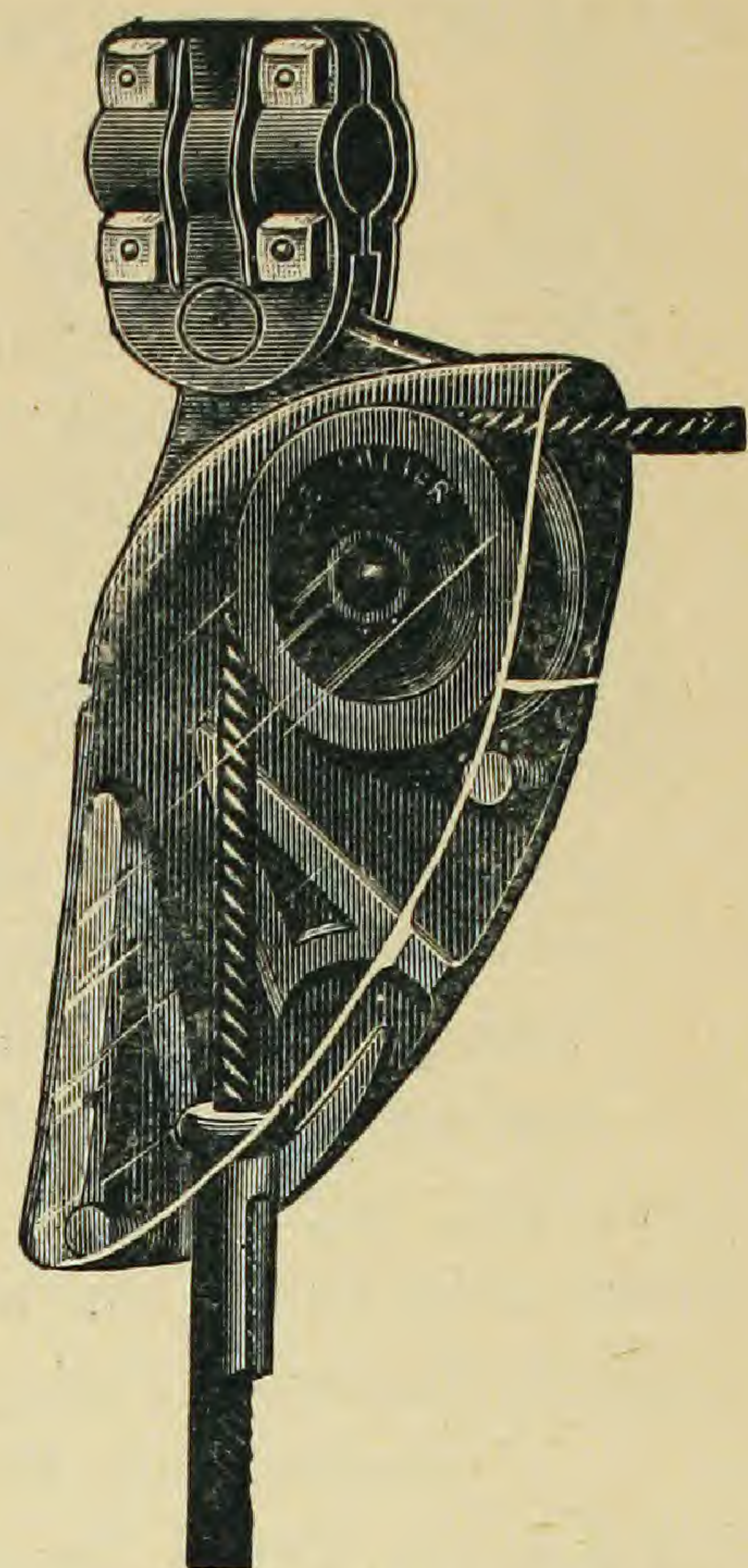
Use Cutter's $\frac{3}{8}$ -inch (or $\frac{1}{2}$ -inch) "Banner Core" Rope or Cutter's "Ebony" Wire Rope with the above pulleys.



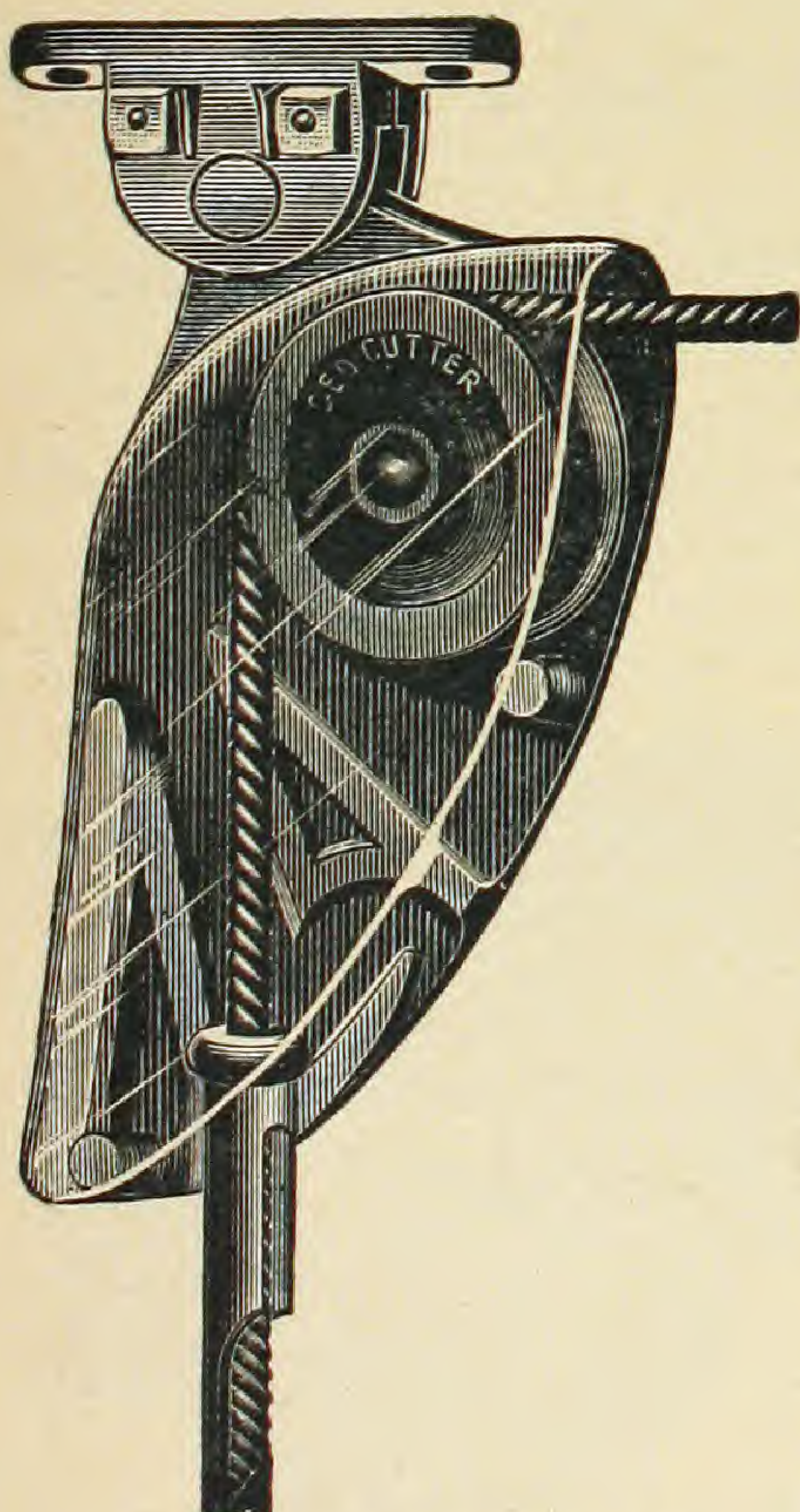
CUTTER'S
MAST-ARM
PULLEY.



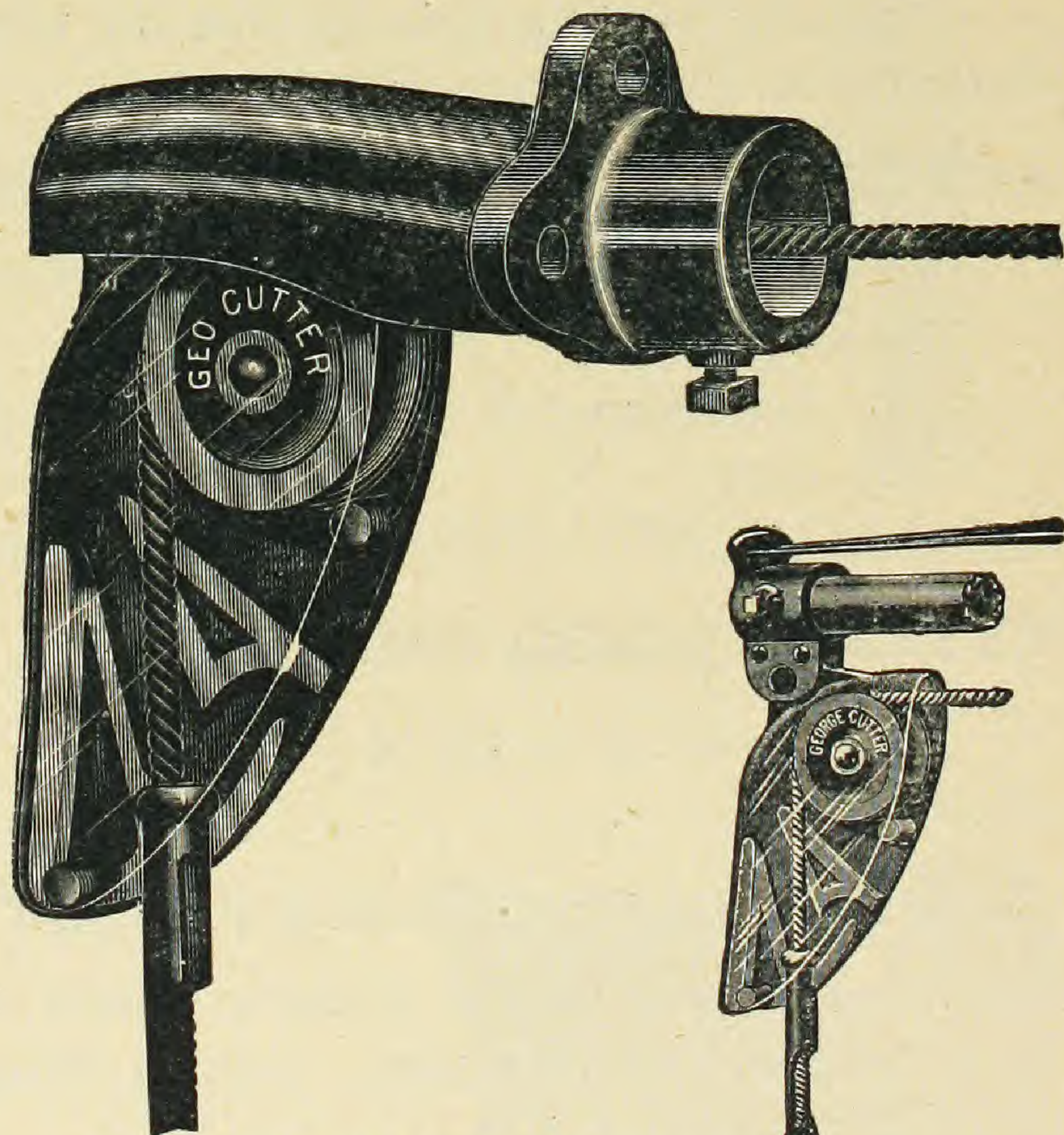
"WARPED" AND
"WALRUS."



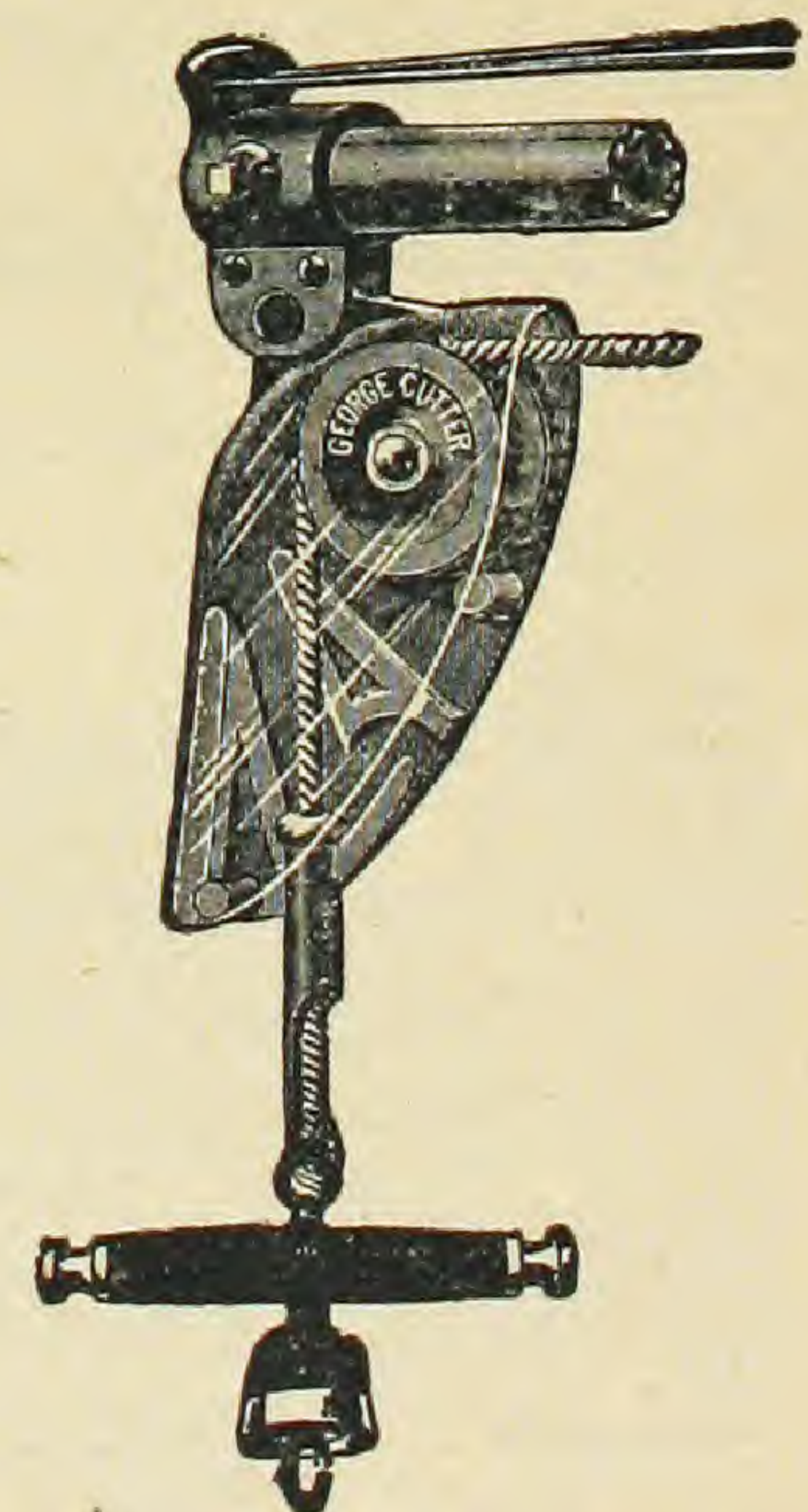
CUTTER'S OUTRIGGER
PULLEY.



CUTTER'S CEILING
PULLEY.
"WAGGISH."



CUTTER'S INNER-ROPE
PULLEY.



"WAFTING" AND
"WALLOP."

CUTTER'S RUNNING PULLEY

IS A form of the lamp-supporting pulley (see page 4) with a "traveler" top, which runs on the suspension wire or cable and allows the lamp to be lowered close to the pole without interfering with trolley or guard wires. The clamp-stop furnished with it keeps the lamp and hood from striking the pole; this stop can be set at any desired distance from the pole.

The cut shows this pulley as used with two Cutter's Swivel Pole pulleys and two Cutter's Pole Locks (see page 22). The cords running over both pulleys are left slack, as there is no strain on them excepting when the lamp is lowered. Cutter's Running Pulley is the only running "safety" pulley that works automatically and every time; also the only one supplied with the adjustable clamp-stop.

Complete, with Clamp-Knob and Clamp-Stop.....	(Waist)	\$1.20
Same, with Triple Insulation Arm fitted direct to knob...	(Waistband)	1.95
Cutter's Running Pulley, with Clamp-Knob, Clamp-Stop and pair of Swivel-Pole Pulleys	(Walk)	2.00
Same, with Triple Insulation Arm.....	(Walkist)	2.75
Cutter's Running Pulley with Midget Changeable Pulley and Duplex Pole Pulley	(Wriggling)	2.35
(This combination brings the pull-over rope back to the same pole with the hoisting rope, so that the trimmer need not cross the street).		
Same, with Triple Insulation Arm.....	(Wrighten)	\$3.10

CUTTER'S SWIVEL POLE PULLEY

IS SWIVELED so that it can swing sideways and keep in line with the hoisting rope.

Weatherproof, and the only pole pulley made with an unbreakable pole plate.

Price	(Wabbly)	\$0.40
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CUTTER'S JUMBO POLE PULLEY

SIMILAR to above, for $\frac{3}{4}$ -inch rope.

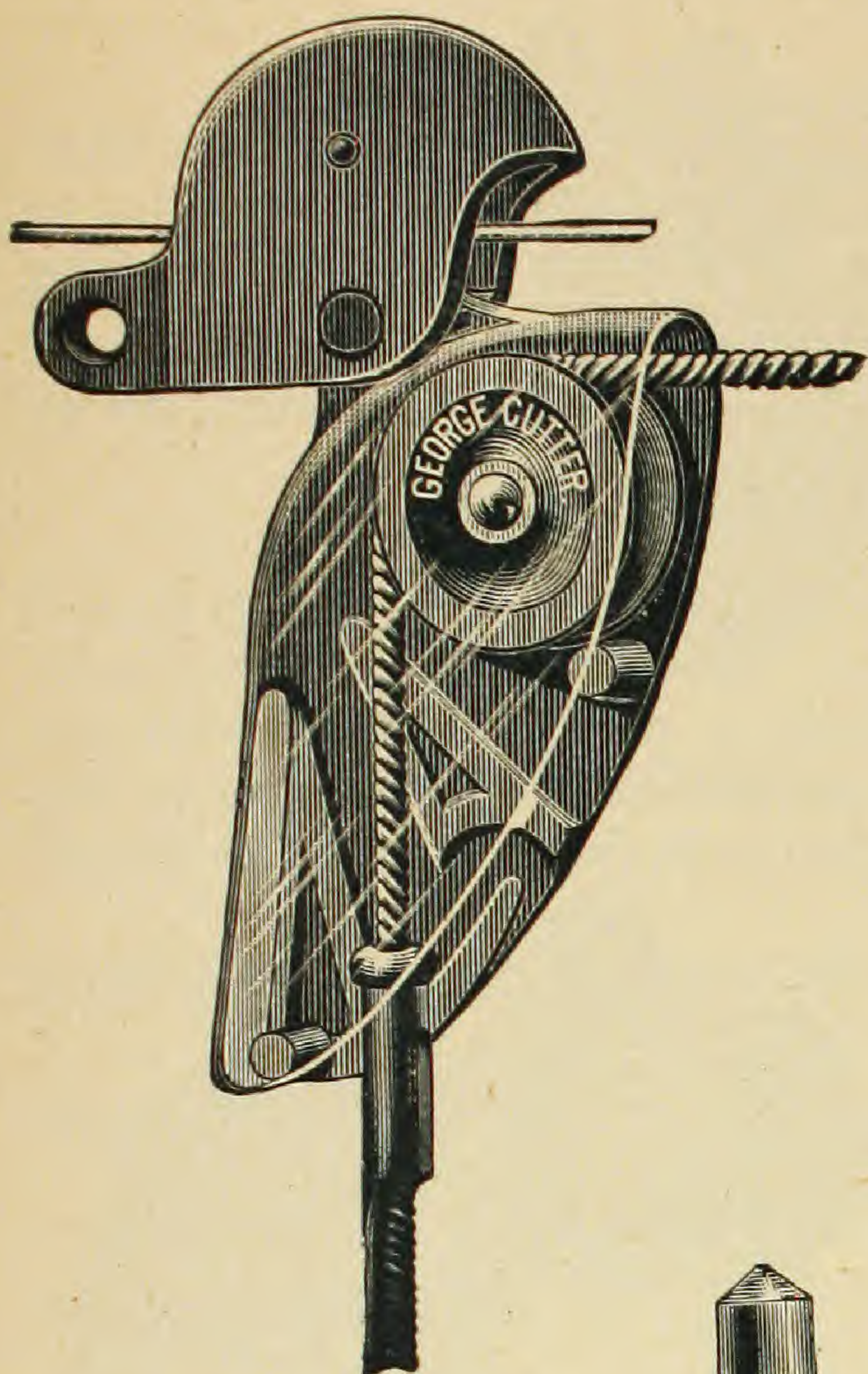
Price	(Wabblingly)	\$0.60
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CUTTER'S DUPLEX POLE PULLEY

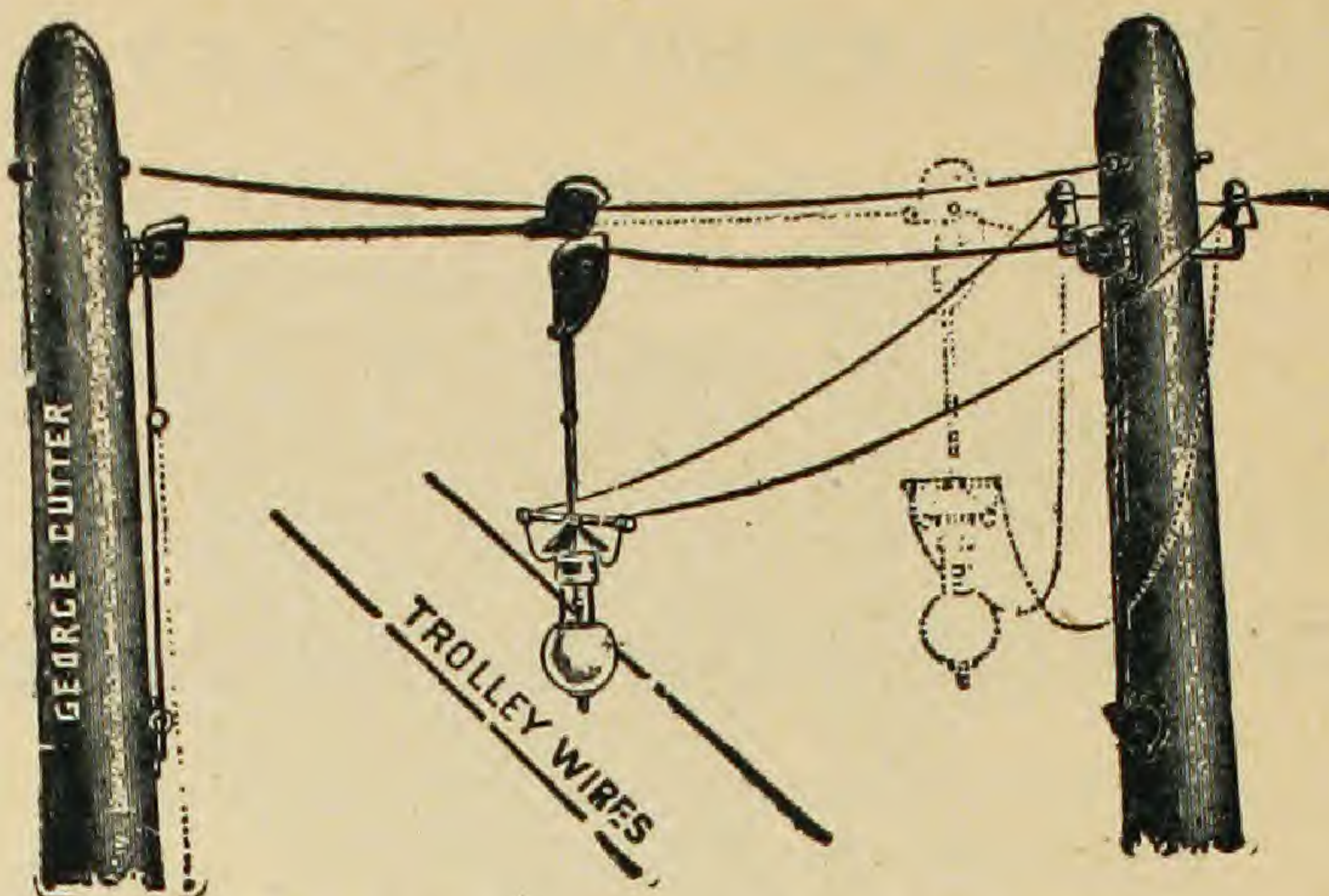
Consists of a pair of Cutter's Swivel Pole Pulleys fastened to a single malleable iron pole-plate. Just the thing for use with Cutter's Running Pulley.

Price	(Wrist)	\$0.80
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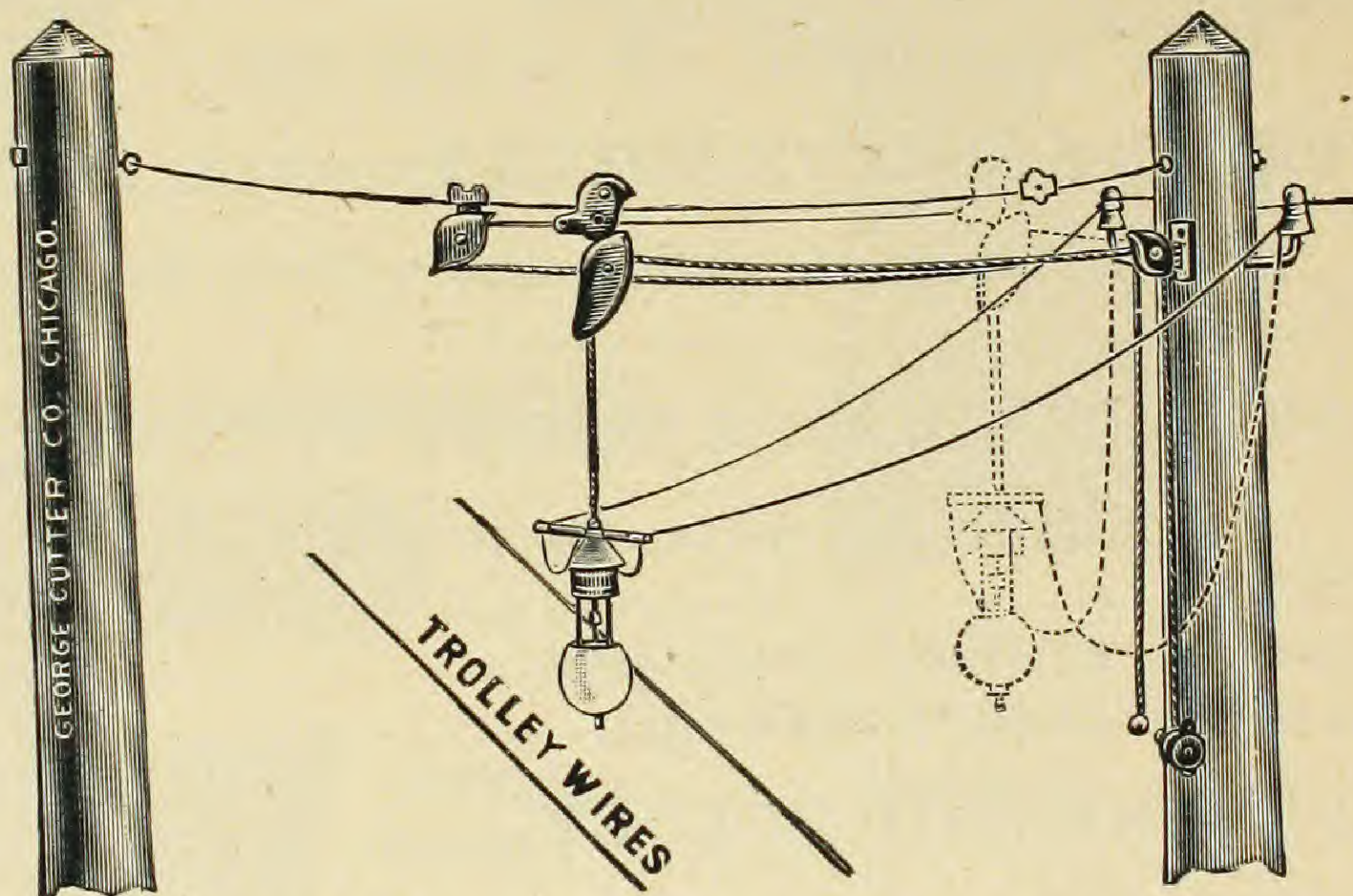
Use Cutter's $\frac{3}{8}$ -inch (or $\frac{1}{2}$ -inch) "Banner Core" Rope or Cutter's "Ebony" Wire Rope with the above pulleys.



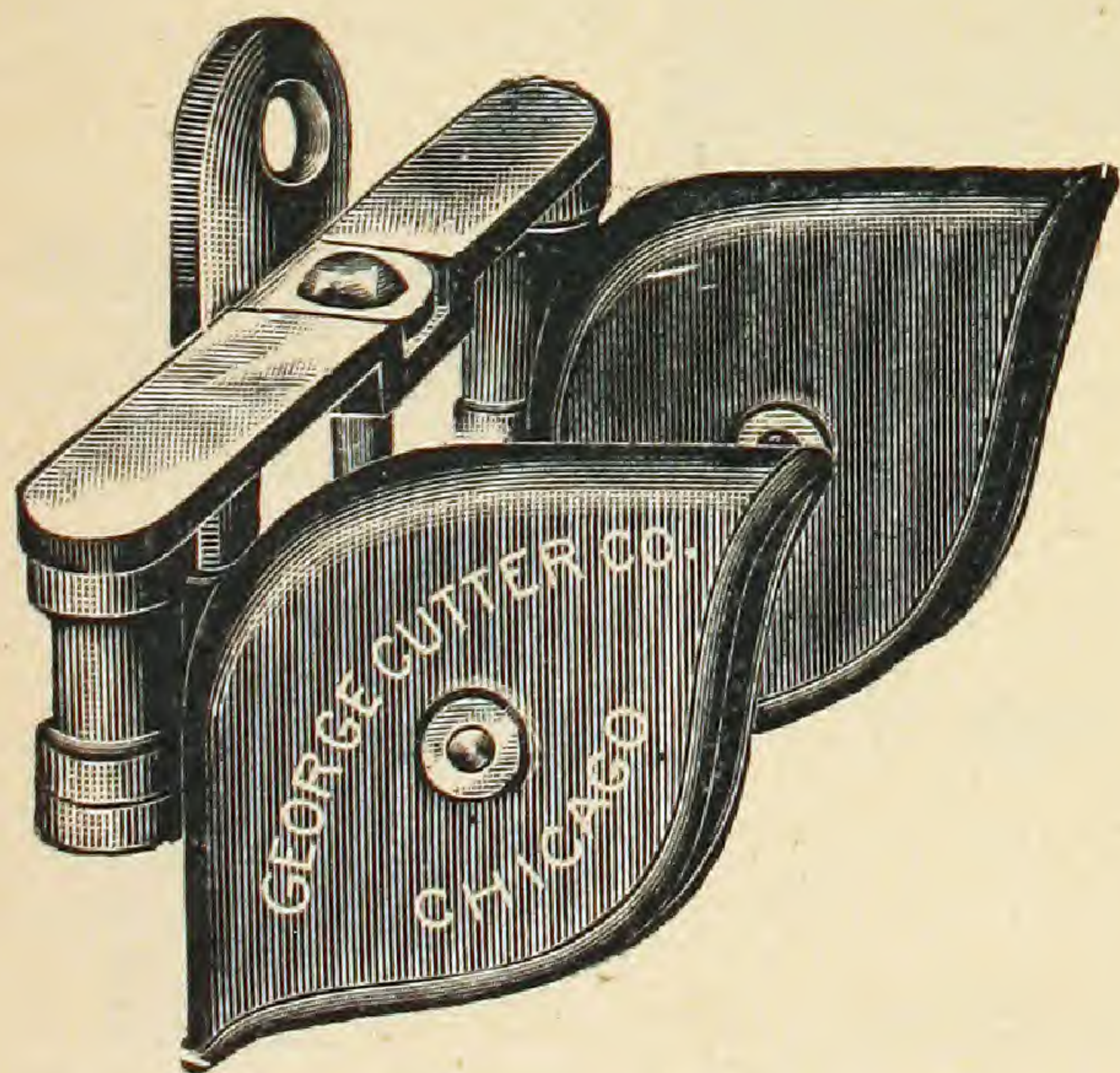
CUTTER'S RUNNING PULLEY.



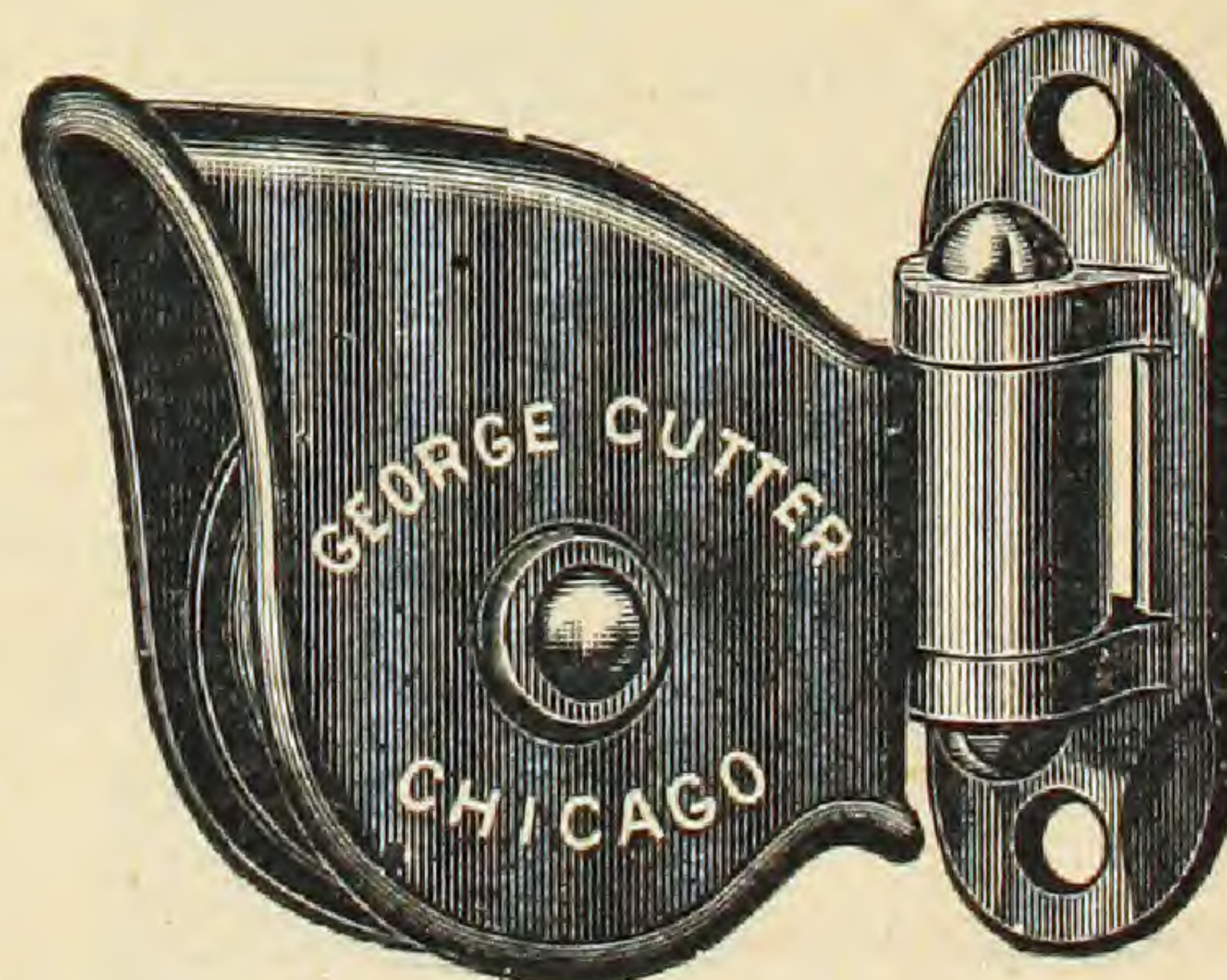
CUTTER'S RUNNING PULLEY.
AS USED OVER
TROLLEY
WIRES.



PULL BACK COMBINATION.—"WRIGGLING."



CUTTER'S DUPLEX POLE PULLEY.—"WRIST,"



CUTTER'S SWIVEL POLE PULLEY.—"WABBLING."

CUTTER'S MEDIUM PULLEY

A CENTER suspension pulley with long supporting clamp and weather-proof casing, but with no safety features. Takes any size of rope up to $\frac{1}{2}$ -inch in diameter and is second only to Cutter's Lamp-Supporting Pulley.

Price, Complete..... (Wallet) \$0.40

CUTTER'S INTERCHANGEABLE PULLEY

A WEATHER-PROOF pulley, with a universal clamp which will grip any standard size of suspension wire or cable. By taking out the two bolts the clamp can be opened out so as to form a wall plate which fits the curved surface of a pole and which is easily fastened in place by lag screws. When so used it makes a swiveled pole pulley similar in action to Cutter's Swivel Pole Pulley.

The clamp is of malleable iron and the whole is the only all-around pulley made.

Price complete..... (Waltz) \$0.40

CUTTER'S JUMBO CHANGEABLE PULLEY

SIMILAR to above, for $\frac{3}{4}$ -inch rope..... (Waltzing) \$0.60

CUTTER'S SLEEVE PULLEY

A WEATHERPROOF pulley with a clamp to grip $\frac{3}{4}$ -inch (bore) pipe.
Price..... (Wakeful) \$0.50

CUTTER'S BIG PIPE SLEEVE PULLEY

SIMILAR to the above, for iron pipe of $1\frac{1}{4}$ -inch bore.

Price..... (Working) \$0.50
Same for $1\frac{1}{2}$ -inch (bore) pipe..... (Work) .50
Same for 1-inch (bore) pipe..... (Workable) .50

CUTTER'S TAIL PULLEY

A WEATHERPROOF pulley for use with Inner Rope Mast-Arms.

For iron pipe of $1\frac{1}{4}$ -inch bore..... (Weariness) \$0.50
Same for $1\frac{1}{2}$ -inch (bore) pipe..... (Wearisome) .50

CUTTER'S PLAIN END PULLEY

A WEATHERPROOF pulley with a headpiece to fit iron mast-arm pipes.

For $1\frac{1}{4}$ -inch (bore) pipe..... (Walnut) \$0.50
For $1\frac{1}{2}$ -inch (bore) pipe..... (Waistcoat) .50

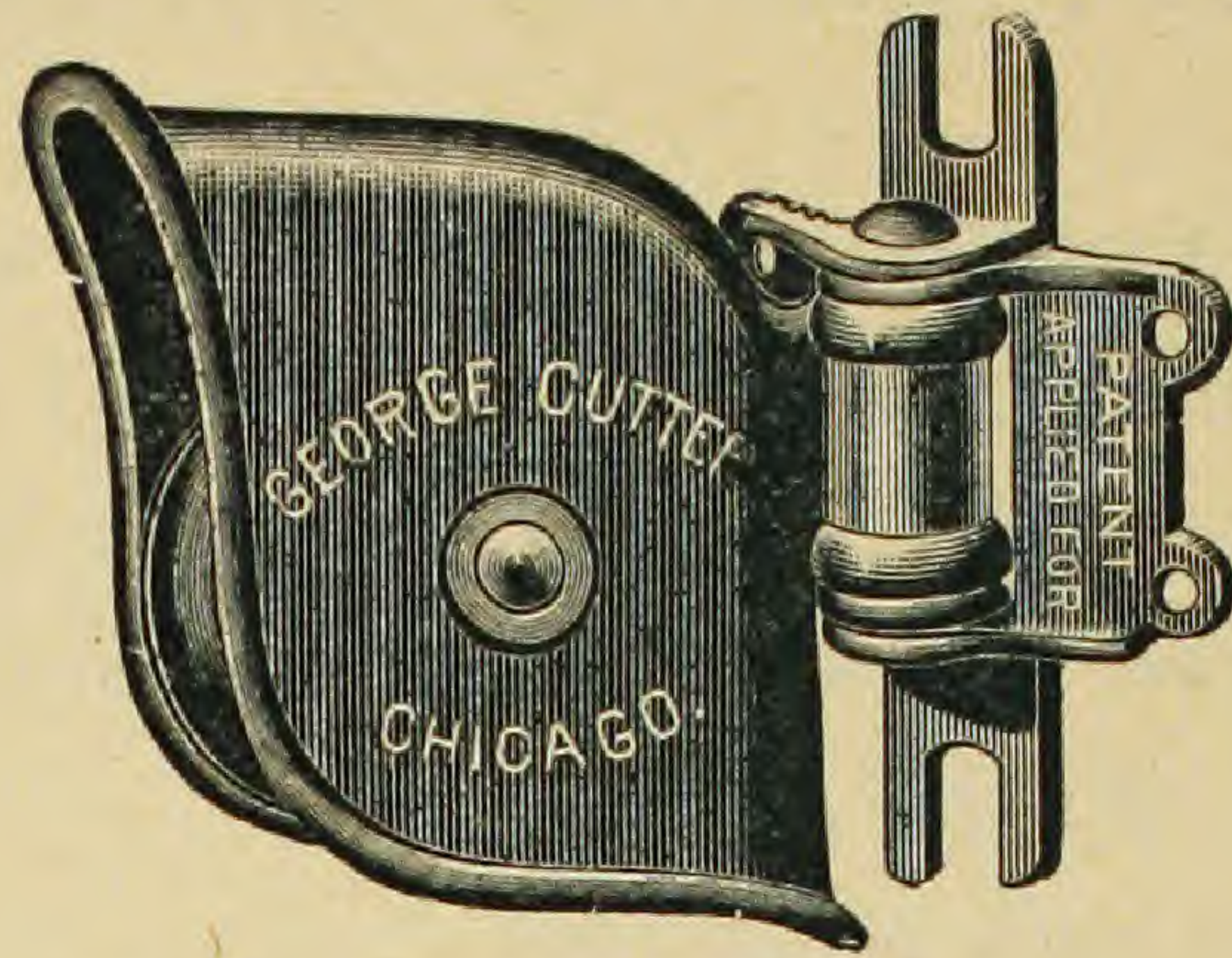
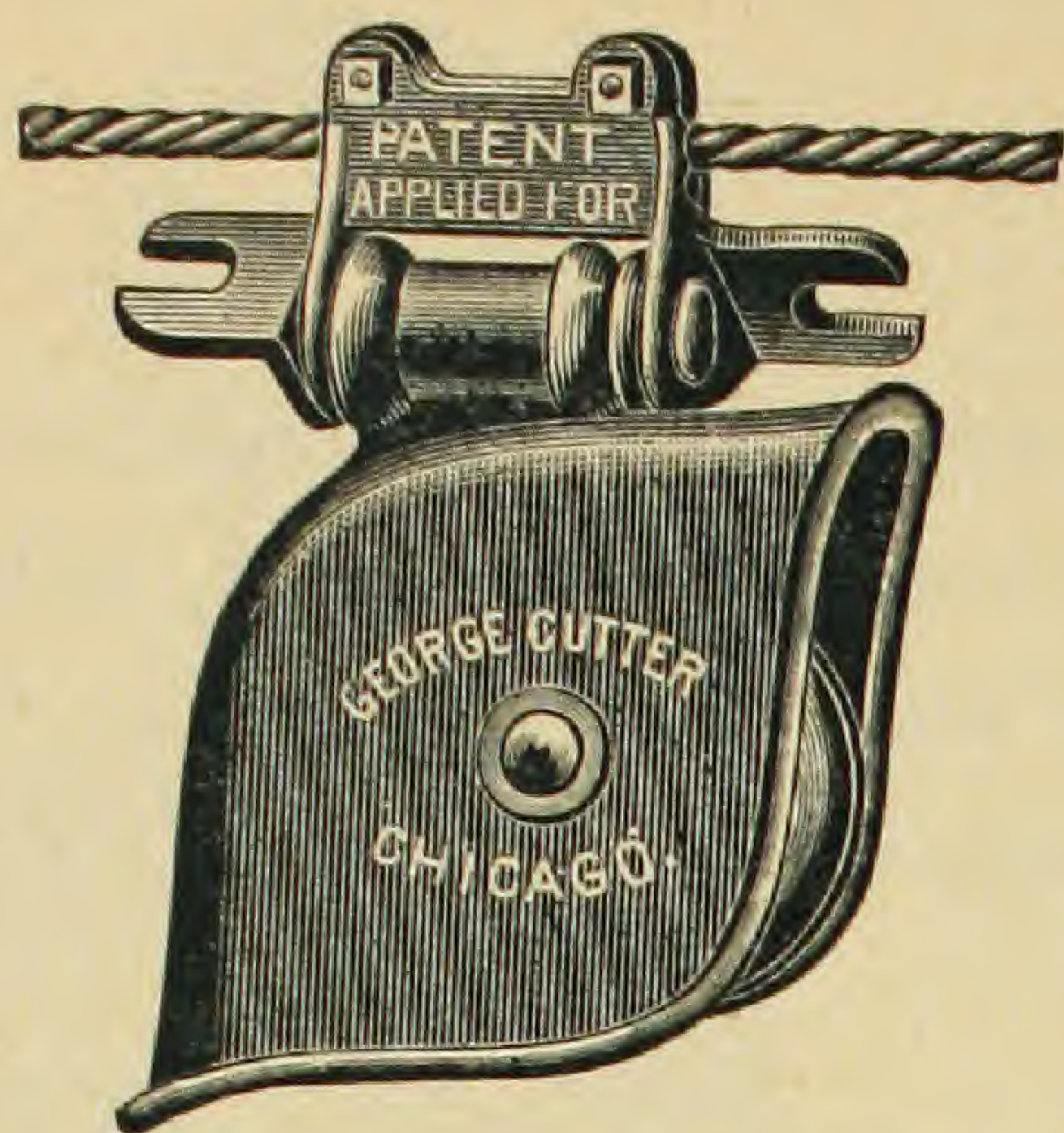
CUTTER'S PLAIN ROOF PULLEY

COMPANION to the Ceiling Pulley (see page 6).

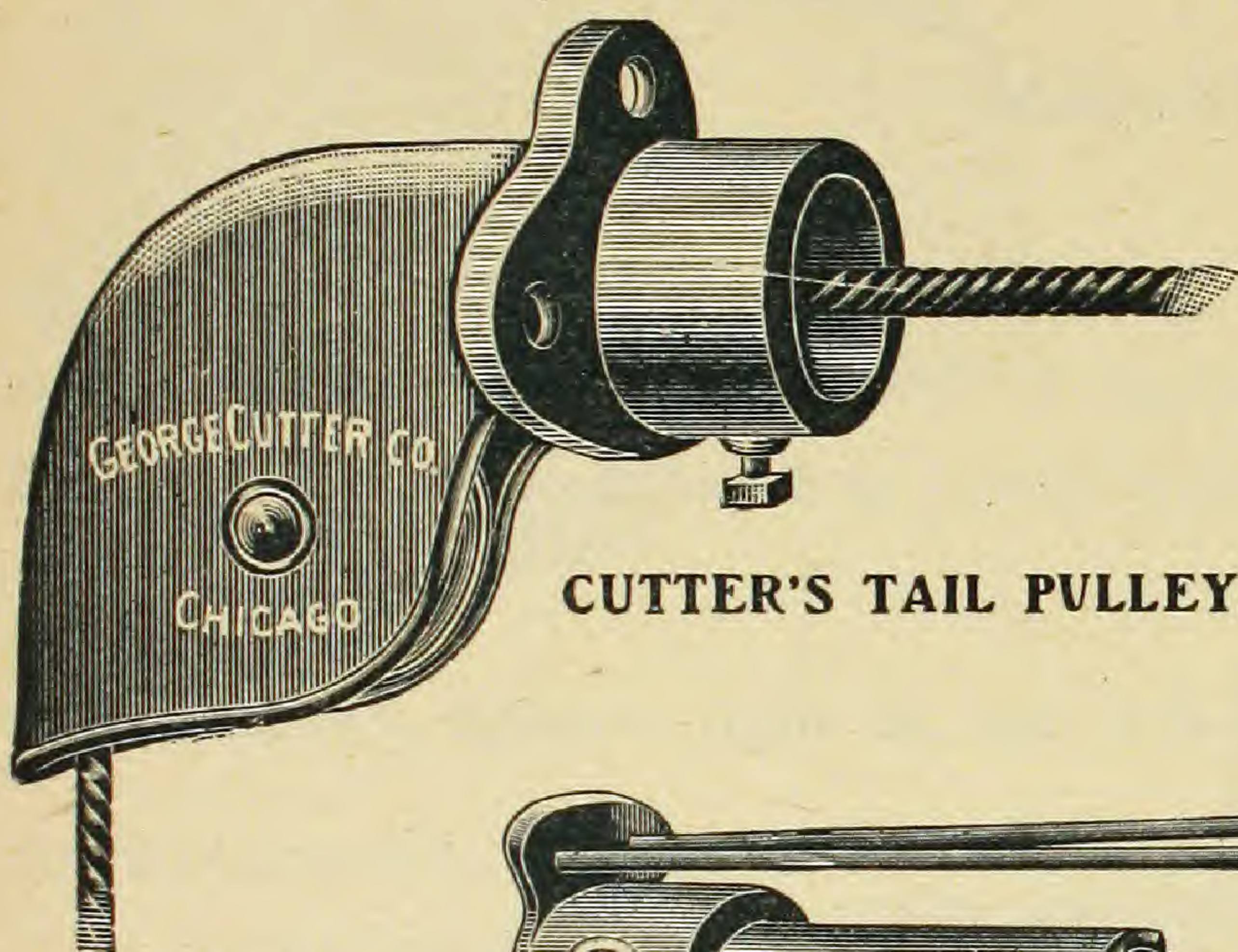
A weatherproof pulley with ceiling plate.

Complete..... (Waftage) \$0.50

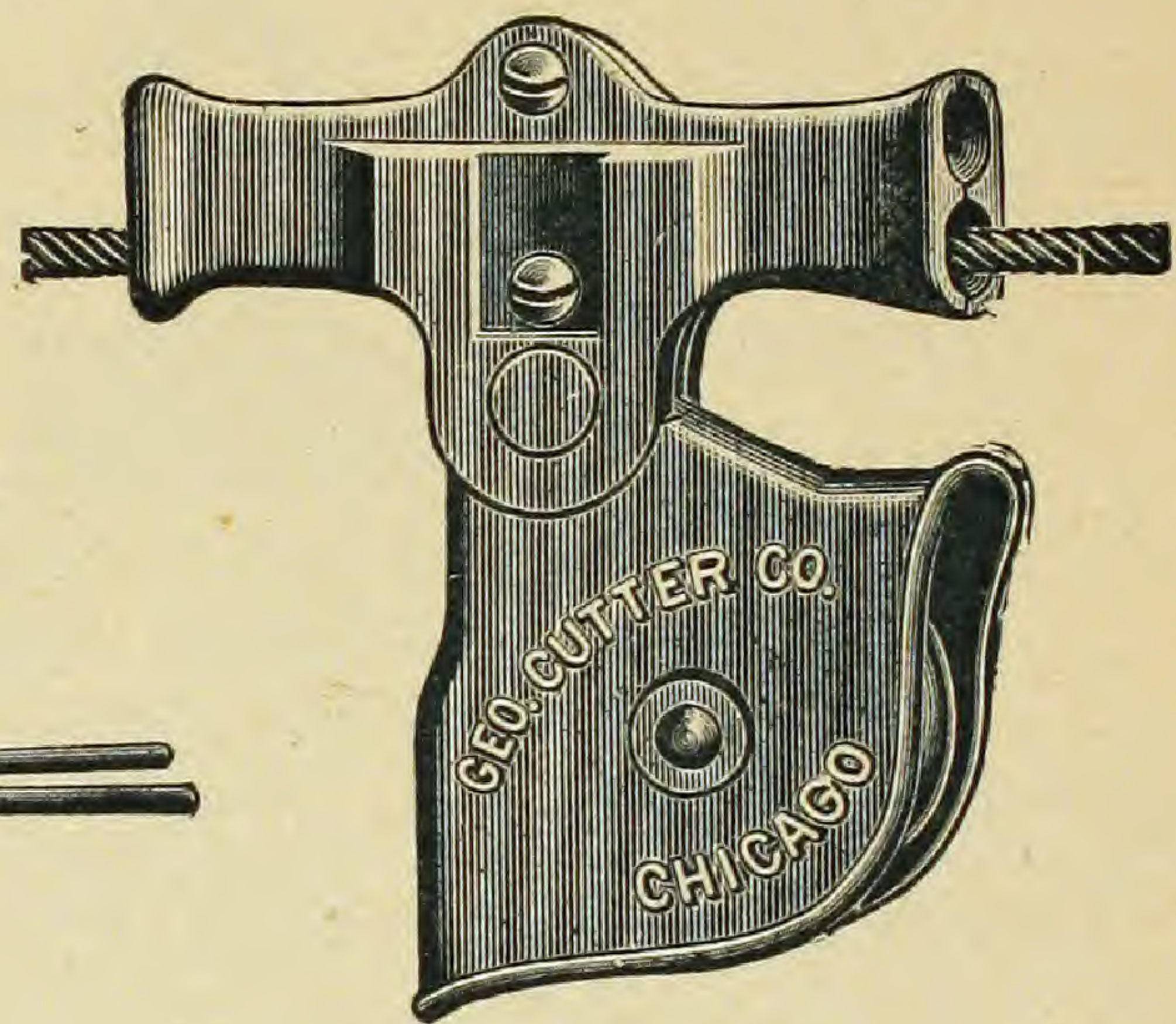
Use Cutter's $\frac{3}{8}$ -inch (or $\frac{1}{2}$ -inch) "Banner Core" Rope or Cutter's "Ebony" Wire Rope with the above pulleys.



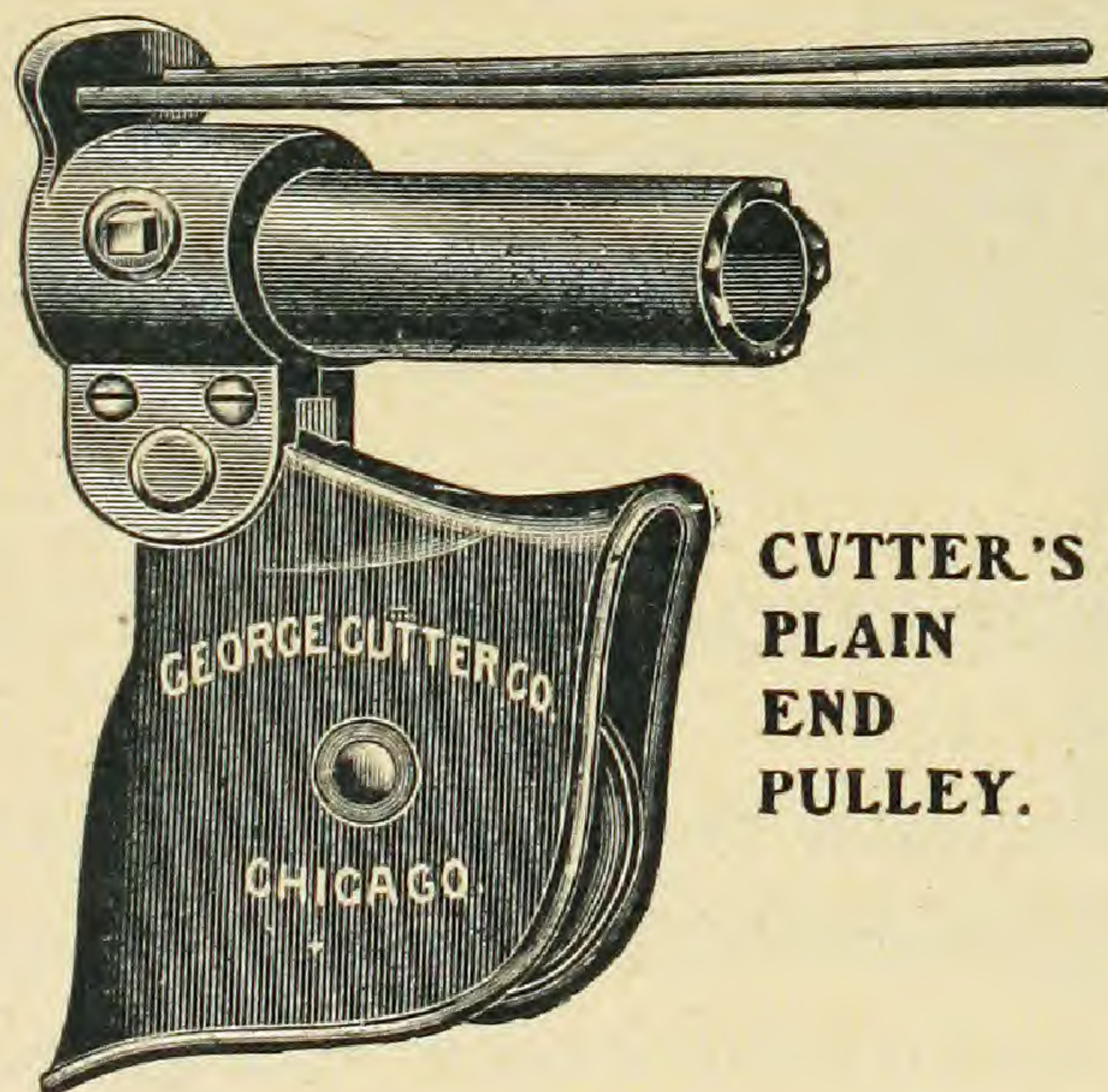
CUTTER'S INTERCHANGEABLE PULLEY—"WALTZ."



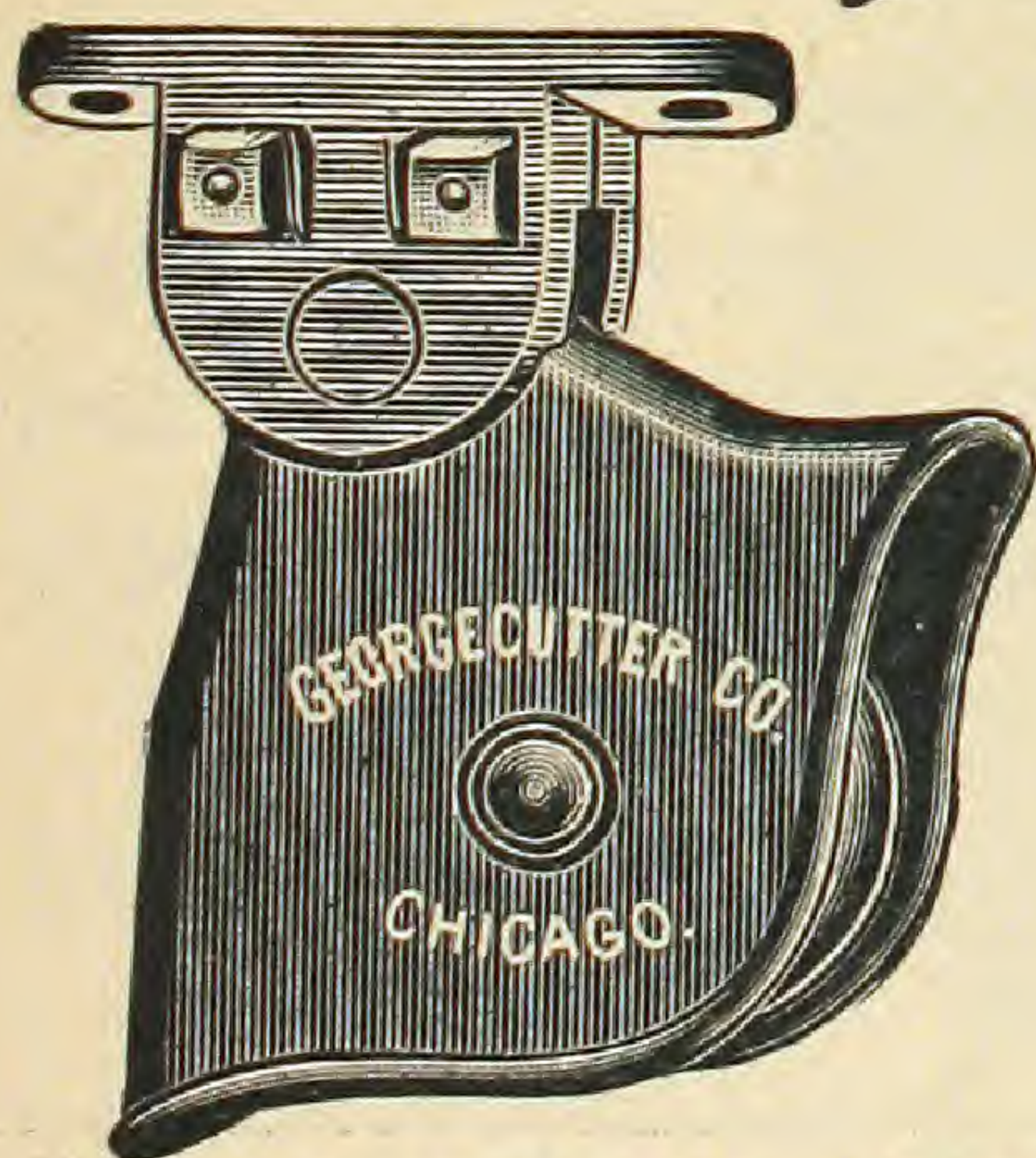
CUTTER'S TAIL PULLEY.



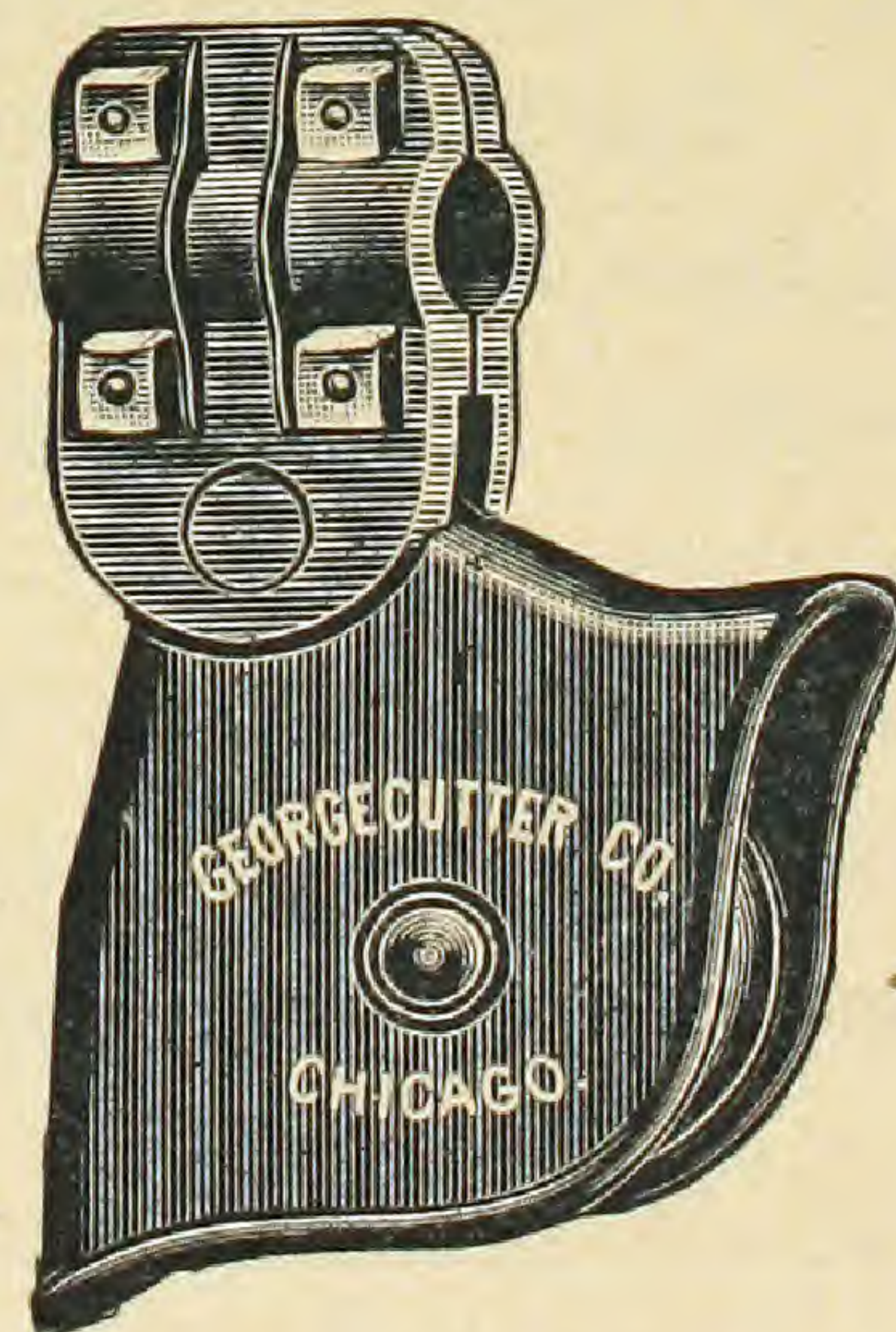
CUTTER'S MEDIUM PULLEY. "WALLET."



CUTTER'S PLAIN END PULLEY.



CUTTER'S PLAIN ROOF PULLEY. "WAFTAGE."



CUTTER'S SLEEVE PULLEY.

CUTTER'S "JUPITER" INSULATOR

Built on the same general lines as Cutter's High Voltage Insulator, but with a greatly enlarged series of Petticoats to give higher surface insulation. Therefore has the same high break-down insulation (ample for 12,000 volt circuits) and an extra large surface to reduce the leakage in wet weather.

Complete with sister-hook.....(*Virtue*) \$0.75

CUTTER'S "JUPITER" CROSS-ARM

An insulating cross-arm having both the wire supports and the lamp-hook insulated from the support by Cutter's Jupiter insulator. The Cross-arm is enameled and metal-bound and has deep groove knobs at each end.

"The Ideal Insulating Arm for use on high voltage circuits."

Complete as pictured(*Virtuous*) \$1.00
 Same fitted direct to pulley knob (for Cutter's Lamp-Supporting or Mast-Arm Pulleys)(*Virtual*) 1.15

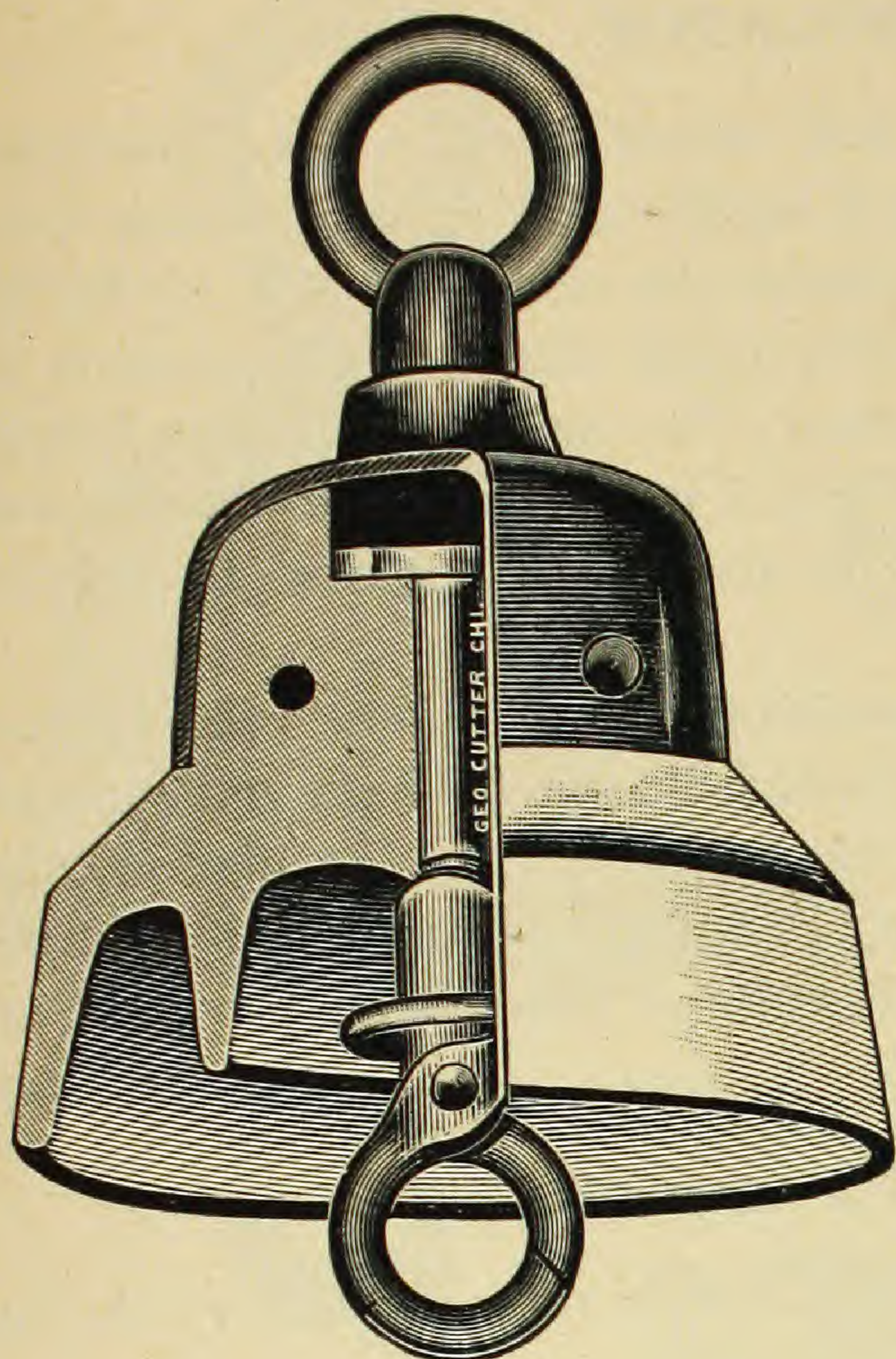
CUTTER'S TRIPLE INSULATION ARM

HAS the High Voltage Insulator above an enameled wood arm, thus giving a TRIPLE insulation between the line wire and the supporting ring.

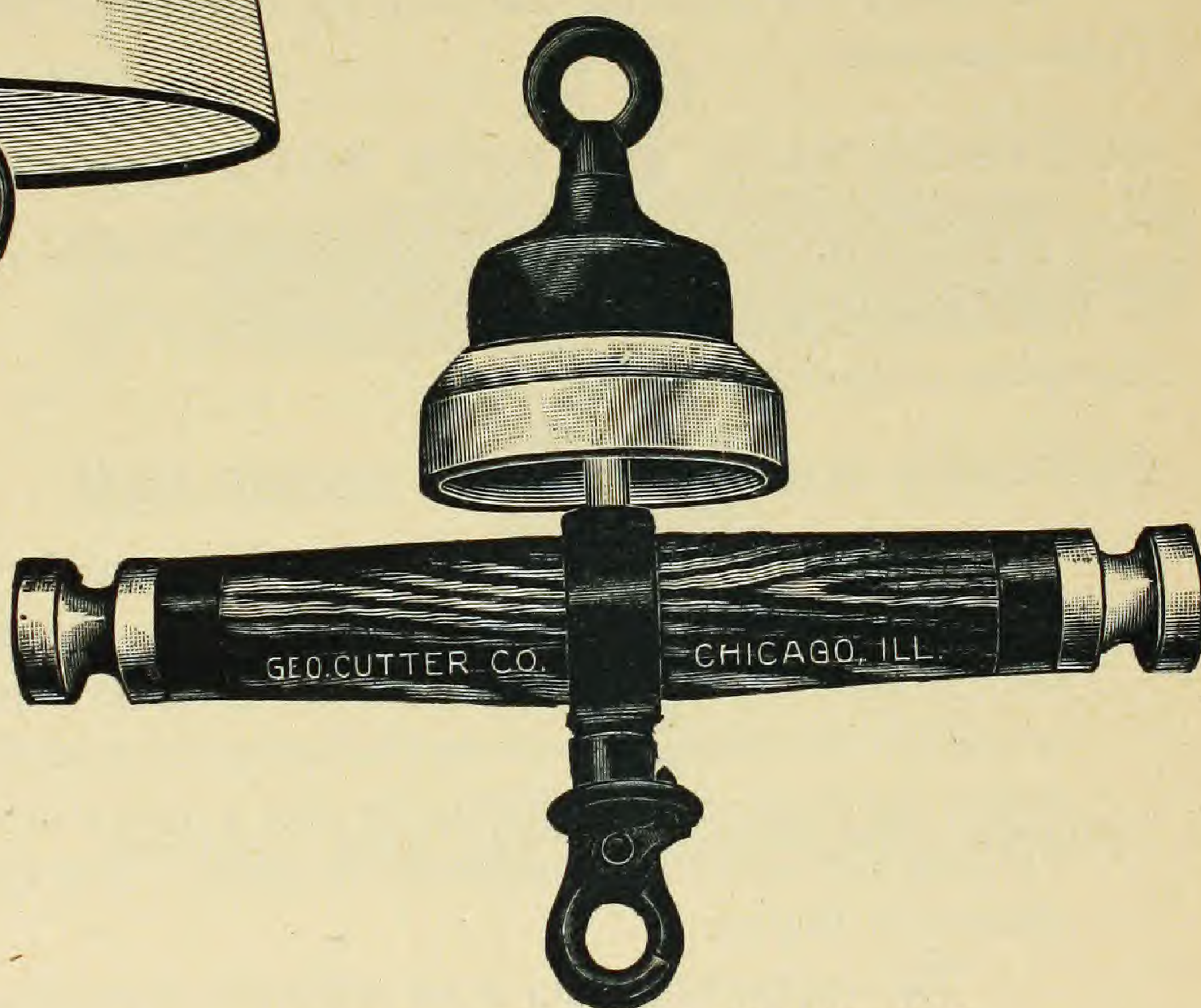
The arm is coated with a baked enamel which outwears paint in the weather, and has its ends bound by strong metal ferrules to prevent their splitting. Every part of the whole device is built for fine wear and high insulation, making it a fine insulating arm for all high voltage lamps, and the only low priced one adapted for use with alternating series lamps. (Second only to Cutter's Jupiter Cross-Arm).

Complete with sister hook.....(*Warlike*) \$0.75

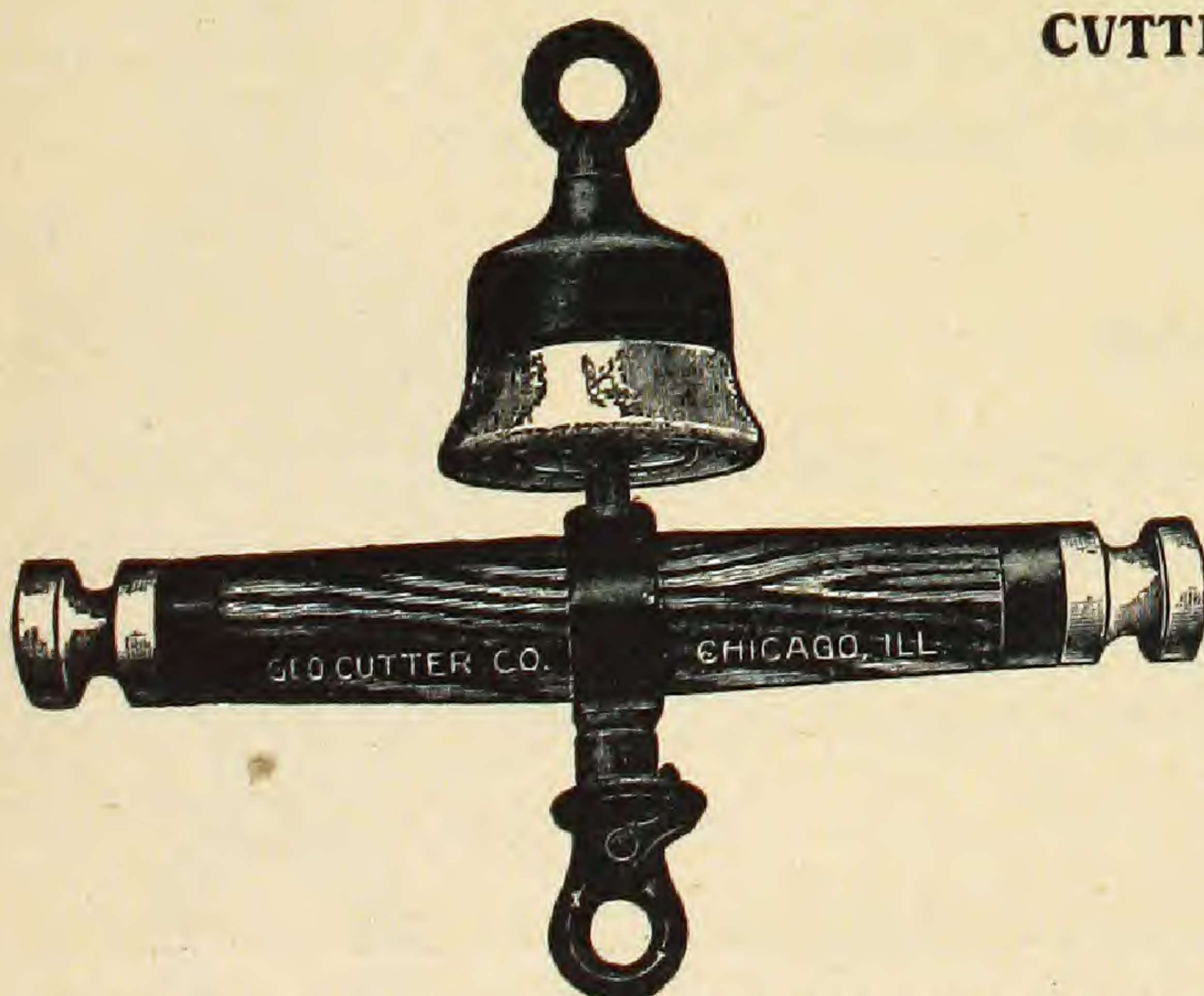
For Insulators that really insulate, specify Cutter's.



CUTTER'S
"JUPITER" INSULATOR.
"VIRTUE,"



CUTTER'S JUPITER CROSS-ARM.
"VIRTUOUS."



CUTTER'S TRIPLE INSULATION ARM.
"WARLIKE,"

CUTTER'S HIGH VOLTAGE INSULATOR

HAS a double petticoat *porcelain* bell, which forms a good watershed and gives high insulation even in wet weather. The rivets which fasten the metal cap to the porcelain pass under the elongated head of the bolt which supports the hook, so that this could not drop out even if the porcelain were broken with a hammer. The cap is sealed with insulating material and the extra petticoat give a large surface insulation, making the device well suited for use on arc circuits exposed to weather, smoke or fumes.

Will outlast any composition insulator when exposed to the weather, hence is both the safest and most durable insulator for high voltage work.

While designed especially for use on arc circuits of high voltage, the extra protection and the lessening of leakage afforded by this insulator make it a desirable one even for circuits of comparatively low voltage.

Price complete (*Warble*) \$0.50

CUTTER'S HIGH VOLTAGE ROPE CLAMP

SIMILAR to the above, with a clamp for wire rope fastened to the cap of the insulator.

Complete as pictured (*Warbling*) \$0.60

CUTTER'S HIGH VOLTAGE CROSS-ARM

COMBINES the High Voltage Insulator with a well-built insulating spreader arm, making a fine insulating arm for use over arc lamps. The arm proper is of wood, coated with a baked enamel which keeps it dry and high insulating. Each end is bound by a malleable iron ferrule which keeps the wood from splitting in case a heavy strain is put on the screws holding the porcelain insulators in place. The latter are deep groove, as shown in the cut.

The supporting ring is of malleable iron and all parts are built just right to make this a good insulating arm, though not equal to Cutter's Triple Insulation Arm or Cutter's Jupiter Cross Arm.

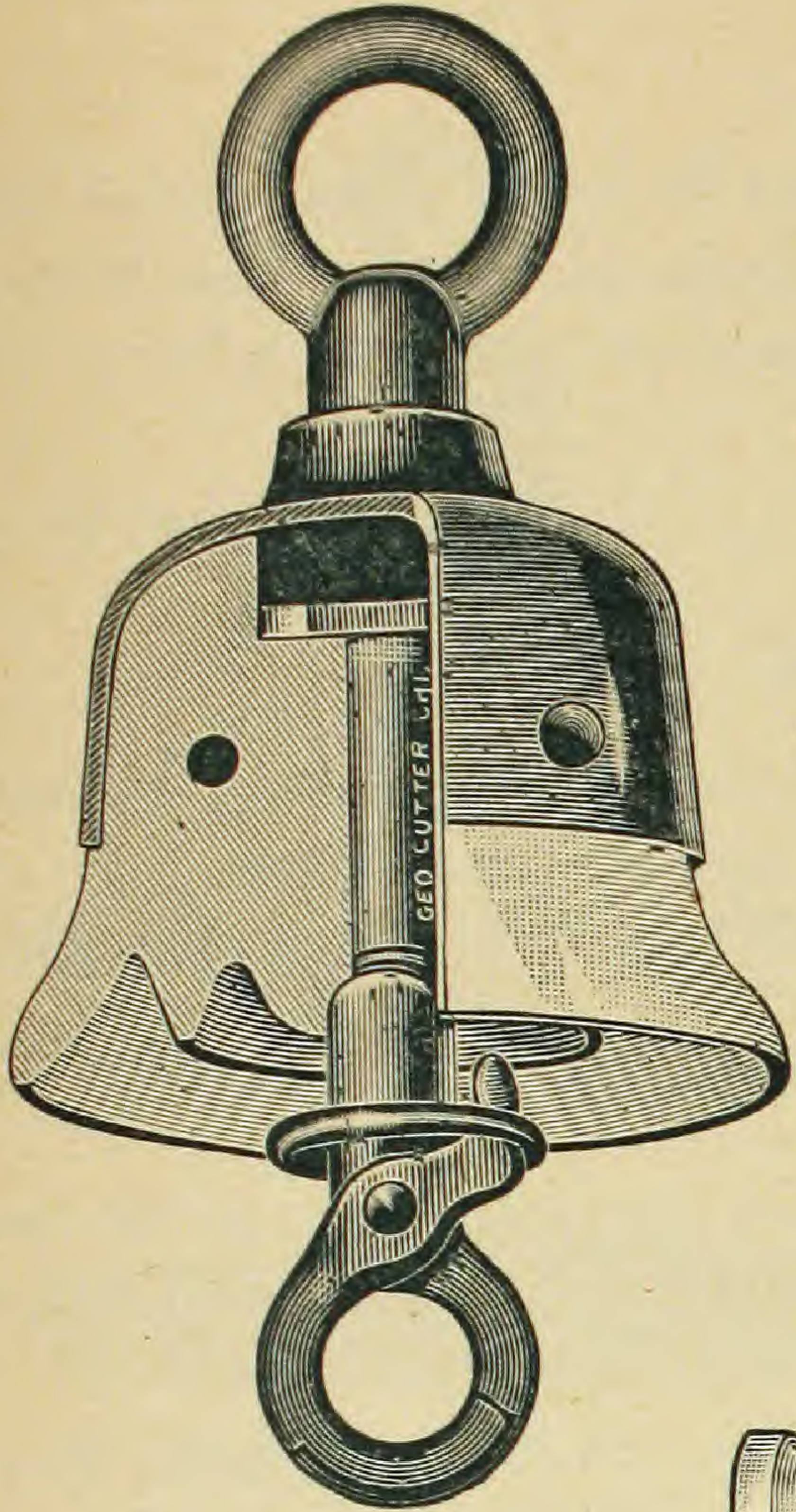
Price Complete (*Wand*) \$0.70

CUTTER'S GROVE INSULATOR

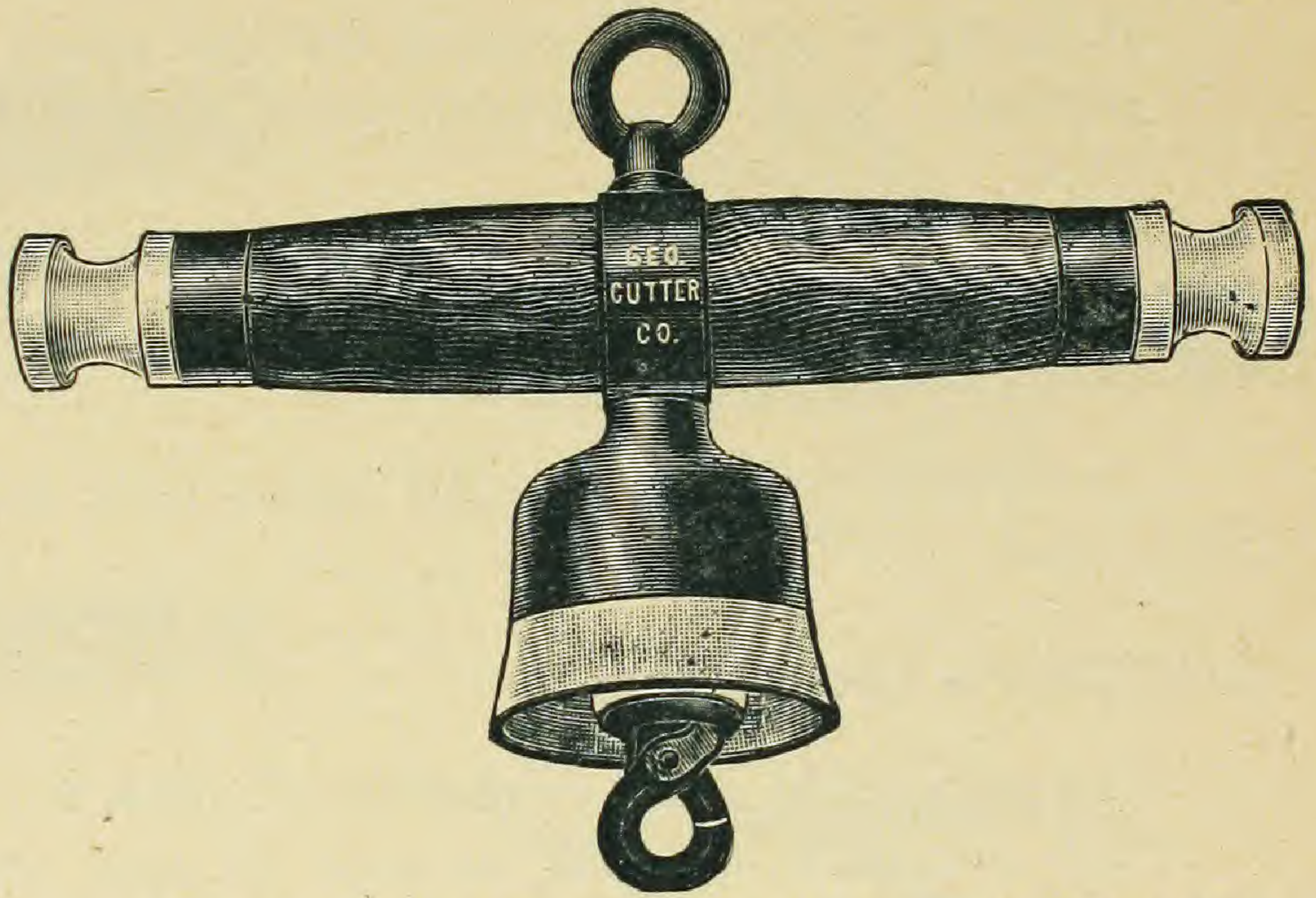
COMBINES the High Voltage Insulator with a loop break for the line wires, giving high insulation for both the lamp frame and the line wires. Specially adapted for use in summer gardens, exposition buildings, train sheds and wherever lamps are looped into series circuits.

Complete as pictured (*Wardroom*) \$0.70

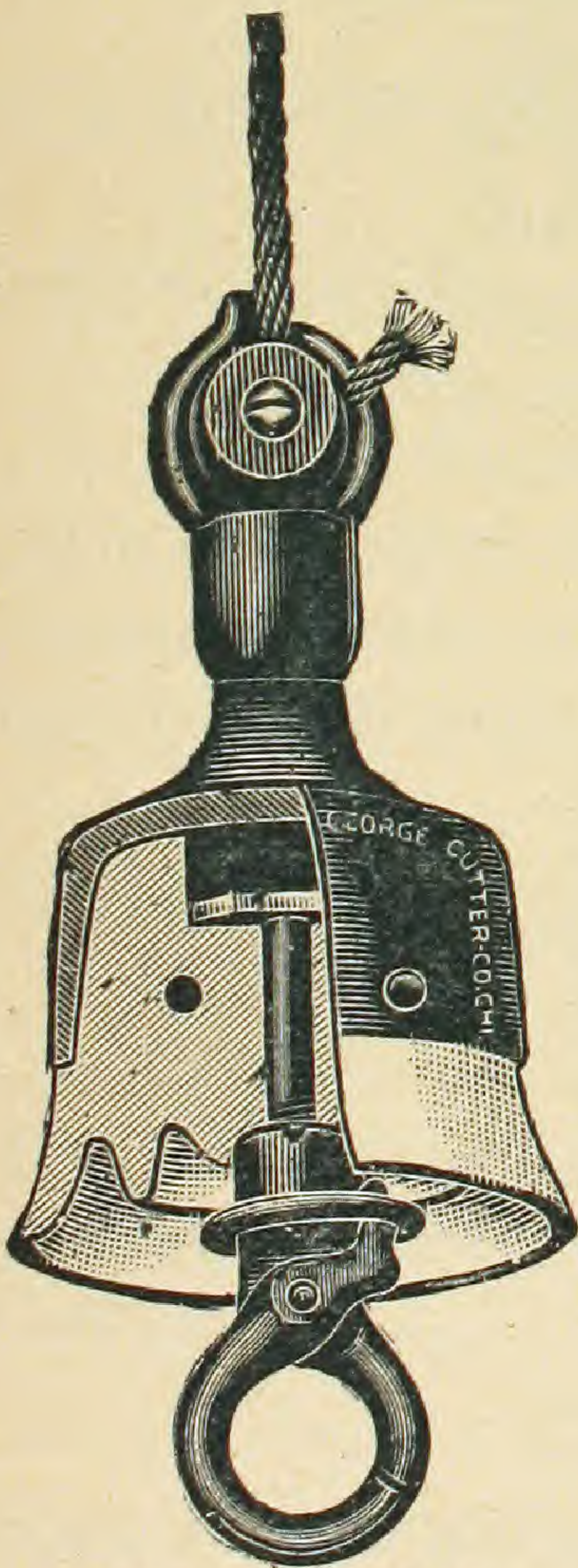
Which will you have: Leakage in wet weather, or a supply of Cutter's Insulators.



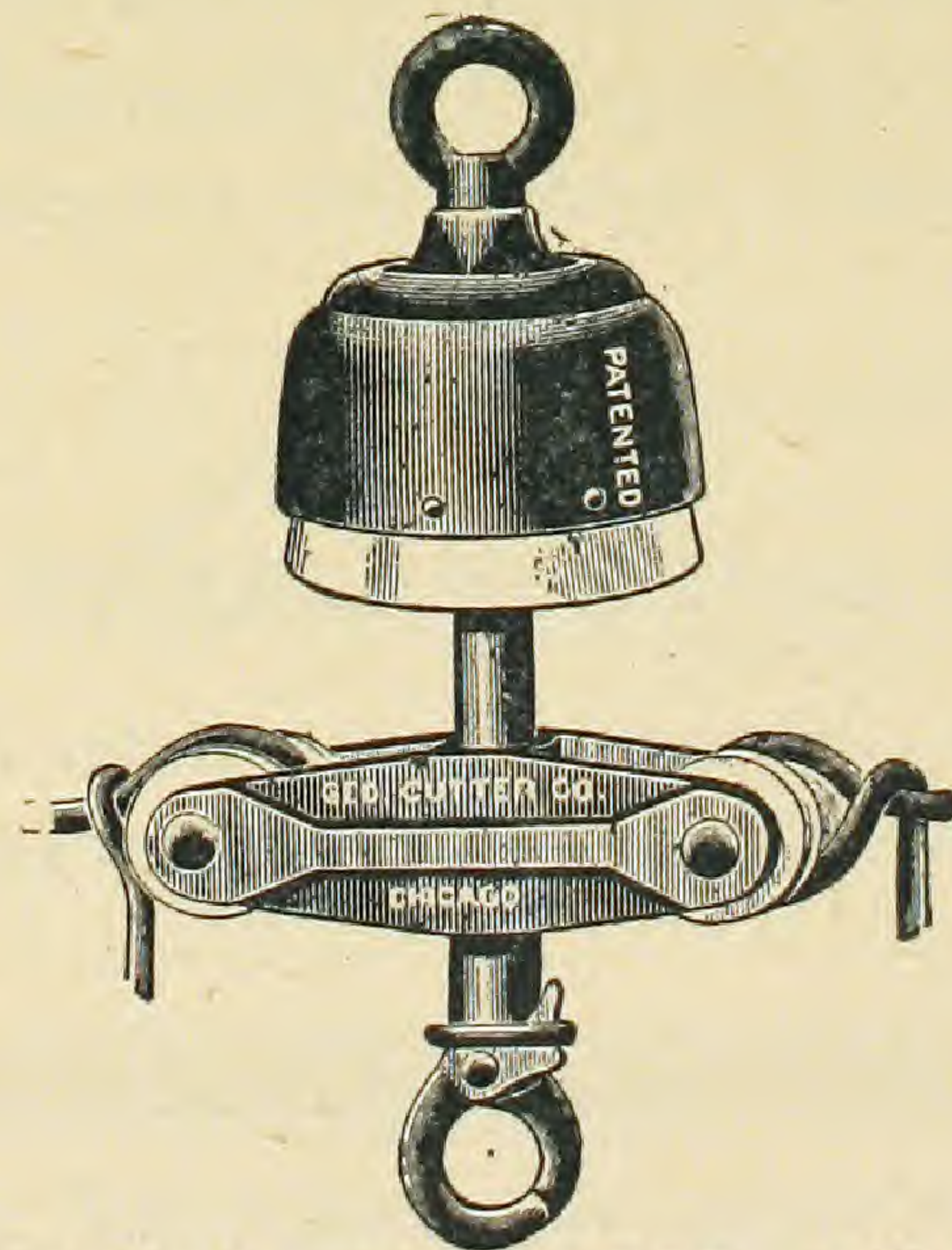
CUTTER'S
HIGH VOLTAGE INSULATOR.
"WARBLE."



CUTTER'S HIGH VOLTAGE CROSS-ARM.—"WAND."



"WARBLING."



CUTTER'S GROVE INSULATOR.—"WARDROOM."

CUTTER'S ARC INSULATOR

ADAPTED only for *low voltage circuits*. Has the metal parts molded into a genuine hard rubber bell, made with a double petticoat, which gives a good watershed, and in wet weather insures good insulation between the lamp frame and the suspension.

Price, complete (*Wanton*) \$0.40

CUTTER'S COMBINATION CROSS-ARM

SIMILAR to the above, but with a cross-arm for the line wires. Popular for *low voltage* circuits, but not recommended for high voltages.

Price complete (*Wardrobe*) \$0.60

CUTTER'S ECONOMY ARM

A COMMON-SENSE cross-arm for use where the insulation is not important. Made of enameled wood, with metal bound ends and sister-hook.

Price complete (*Warmth*) \$0.25

CUTTER'S PLAIN ARM

ENAMELED wood, with metal bound ends and porcelain knobs.

Price, each (*Warden*) \$0.15

CUTTER'S GRIP ARM

CONSISTS of the Plain Arm with a U-Bolt for clamping the same to 1¼ inch (bore) iron piping as used on mast arms.

Price, complete (*Wardinger*) \$0.20

CUTTER'S FEATHERWEIGHT SPREADER

Is readily fastened to the wires running to suspension lamps, so as to keep them at a distance of eighteen inches from each other. Made of enameled wood, metal tipped, with porcelain insulators. Weighs less than eight ounces.

Price, complete, each (*Whack*) \$0.12½

CUTTER'S GUIDE SPREADER

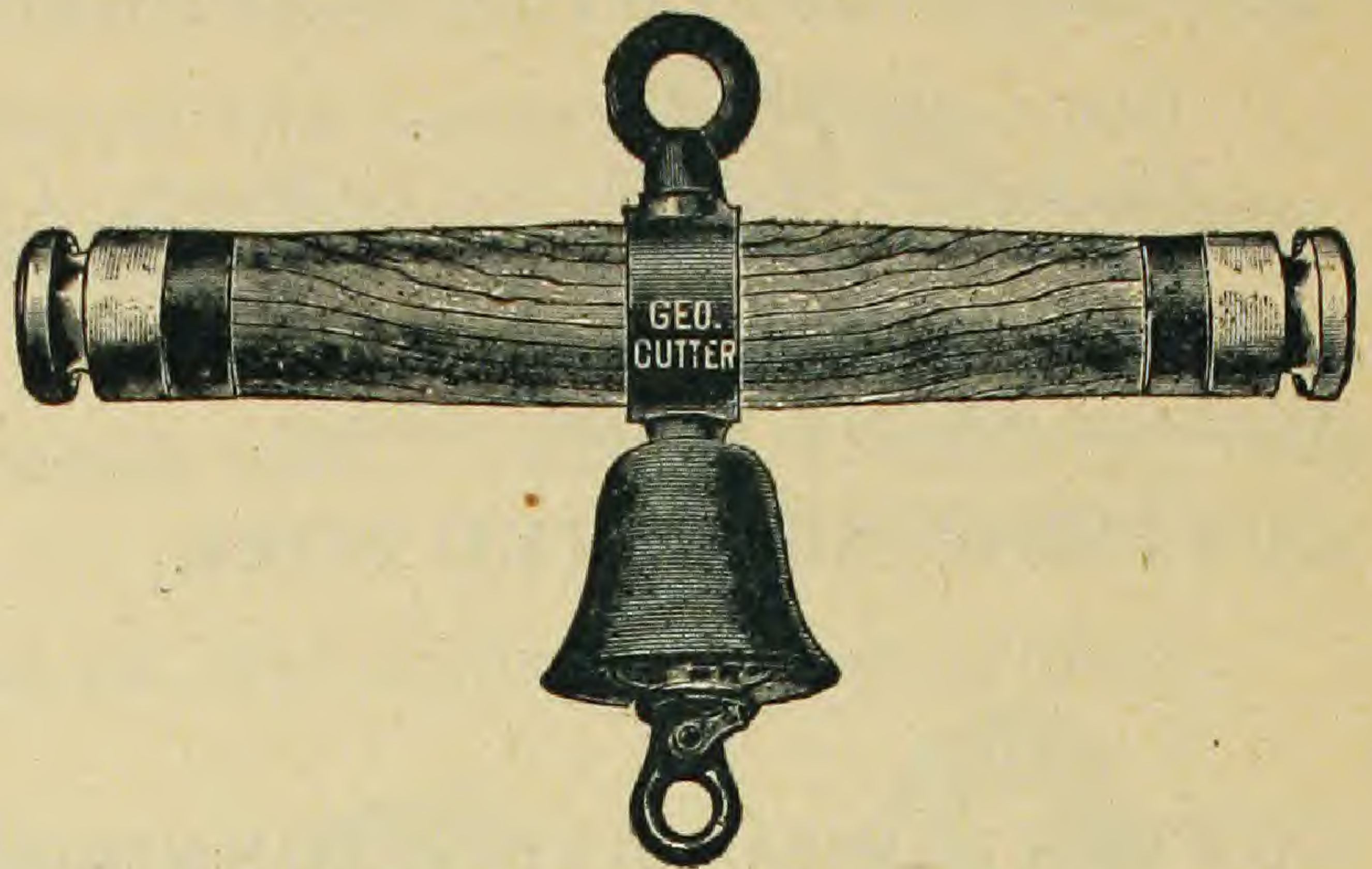
SAME as the above, with a collar to clasp the suspension cable. Keeps the line wires eighteen inches apart and in line with the suspension strand.

Complete (*Wren*) \$0.20

If you are puzzled as to what will suit your needs, write us fully about them



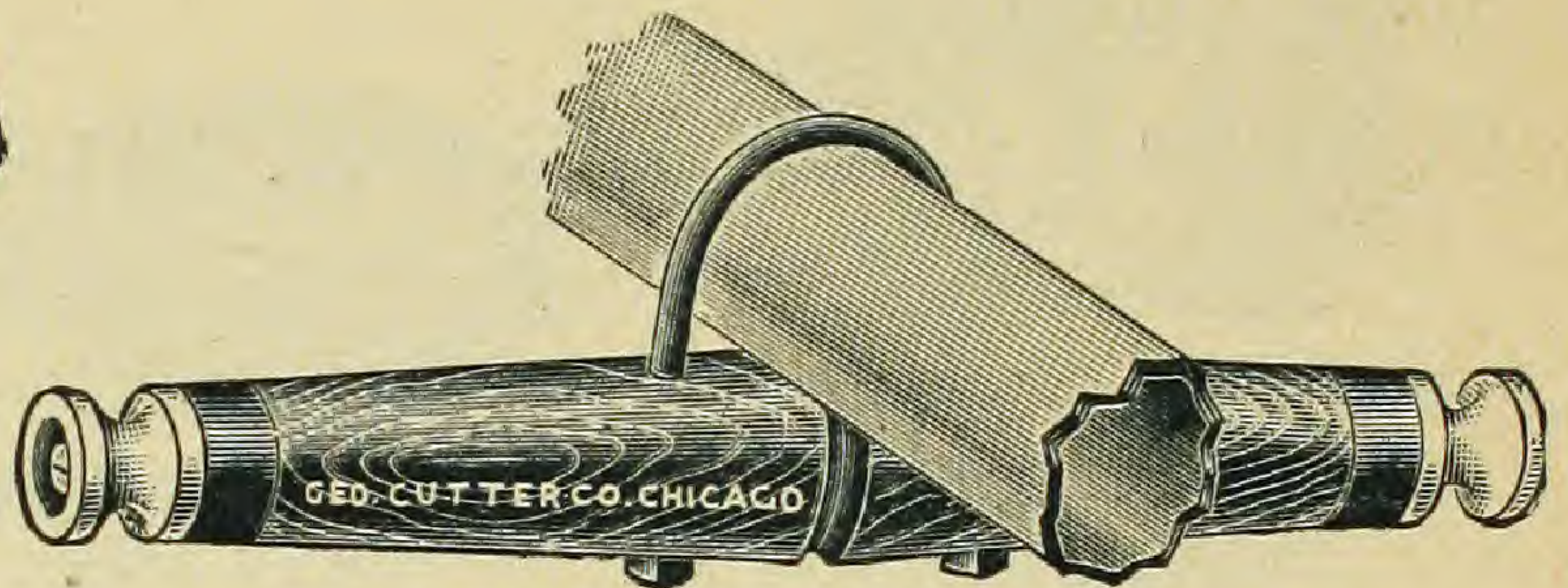
CUTTER'S ARC INSULATOR.
"WANTON."



CUTTER'S COMBINATION CROSS-ARM,
"WARDROBE."



CUTTER'S PLAIN ARM.
"WARDEN."



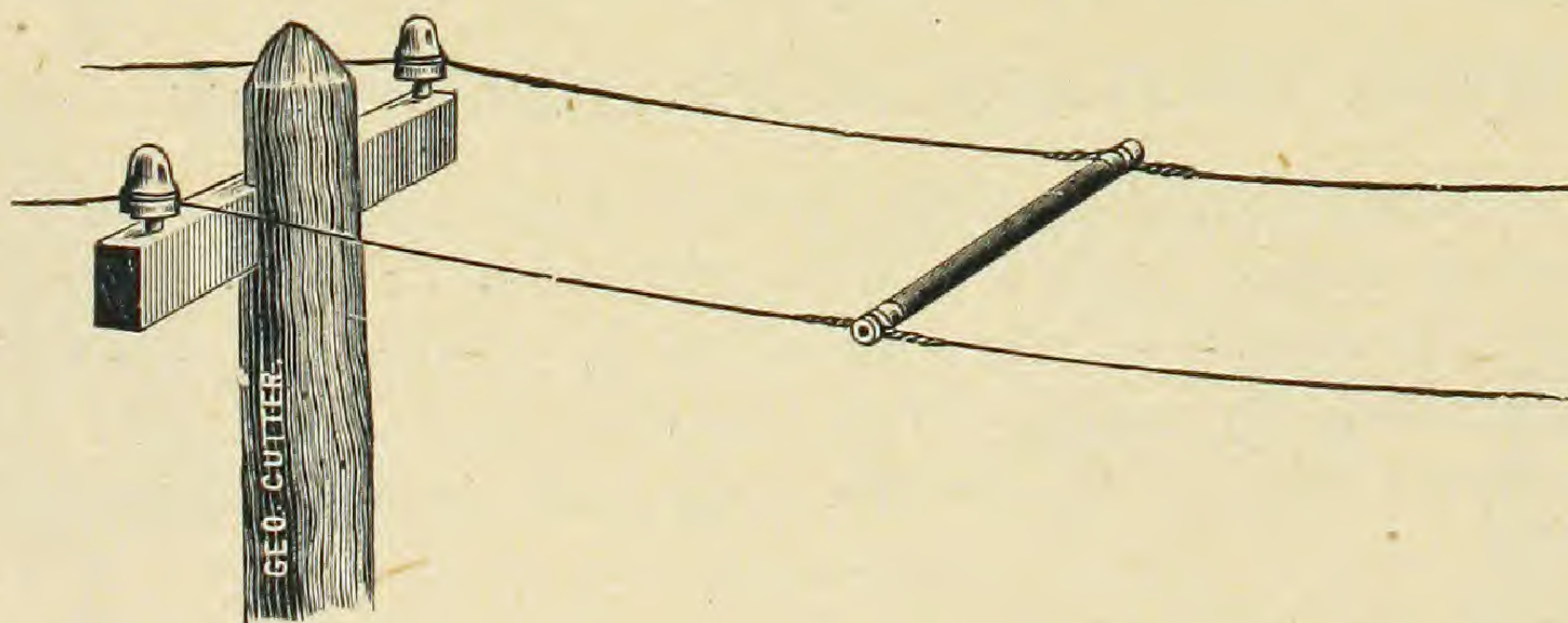
CUTTER'S GRIP ARM,
"WARNLY."



CUTTER'S
"ECONOMY" ARM.
"WARMTH."



CUTTER'S GUIDE SPREADER,
"WREN."



CUTTER'S FEATHERWEIGHT SPREADER.
"WHACK."

CUTTER'S INSULATED SUSPENSION BOLT

INSULATES the suspension wire or cable from the pole, so as to reduce the risk of grounds and accidents. Can also be used with guard wires for railway suspensions; the fork is of wrought iron, and the bolt has six inches of thread.

With 12-inch bolt, nut and washer..... (Wharf) \$0.18

CUTTER'S INSULATED FORK

SAME as above, but without bolt; for use with lag screws..... (Woodland) \$0.12½

CUTTER'S INSULATED TURNBUCKLE

HAS heavy porcelain insulators, held in wrought-iron forks. The turnbuckle has nine inches adjustment, and the porcelain give a double insulation.

Price, complete (Wheat) \$0.70
 Same, galvanized (Wholesome) 0.80

CUTTER'S SWINGING INSULATOR

ALLOWS the wire to move freely between porcelain rollers without chafing the insulation. Being hung from the loop, it is free to adapt itself to any strains, and therefore will not cramp the wire, as the bracket-base tree insulators often do. Strongly made of malleable iron, takes wires up to 3-4-inch in diameter.

Price, per dozen (Wheel) \$2.00

CUTTER'S WIRE ROPE INSULATOR

LOOPED into the hoisting rope just outside the pole pulley; insulates the lamp end from the end within reach of the public. Made of steel with hard rubber insulation and protecting ferrules.

Price (Warfare) 0.20

CUTTER'S LOOP BREAK

A LARGER form of the Wire Rope Insulator for use on arc circuits. Separates the loop wires twelve inches, is quickly put up, looks well and gives some insulation even in wet weather.

Price, complete (Whence) \$0.28

CUTTER'S HIGH VOLTAGE ROPE INSULATOR

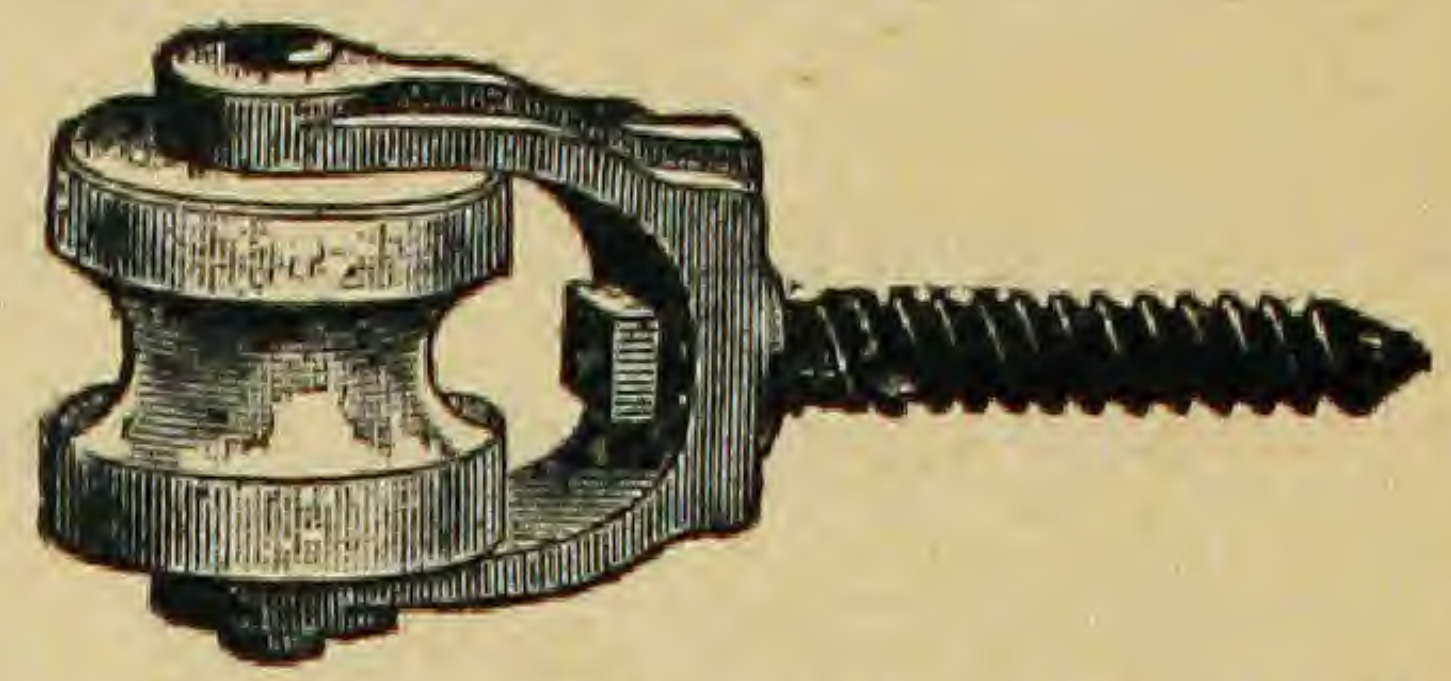
A HIGH voltage insulator, with an eye above and below for looping into wire hoisting ropes. (We advise all users of wire hoisting ropes to ground the lower end of the rope so as to positively prevent accidents to any one touching the rope. Then the insertion of Cutter's High Voltage Rope Insulator higher up on the rope will avoid leakage.)

Complete (Wedge) \$0.45
 Same, with clamp for wire rope..... (Wedgable) .55

Cutter's High Voltage Rope Insulator is the "ounce of prevention" needed with wire hoisting ropes.



CUTTER'S INSULATED SUSPENSION BOLT.
"WHARF."



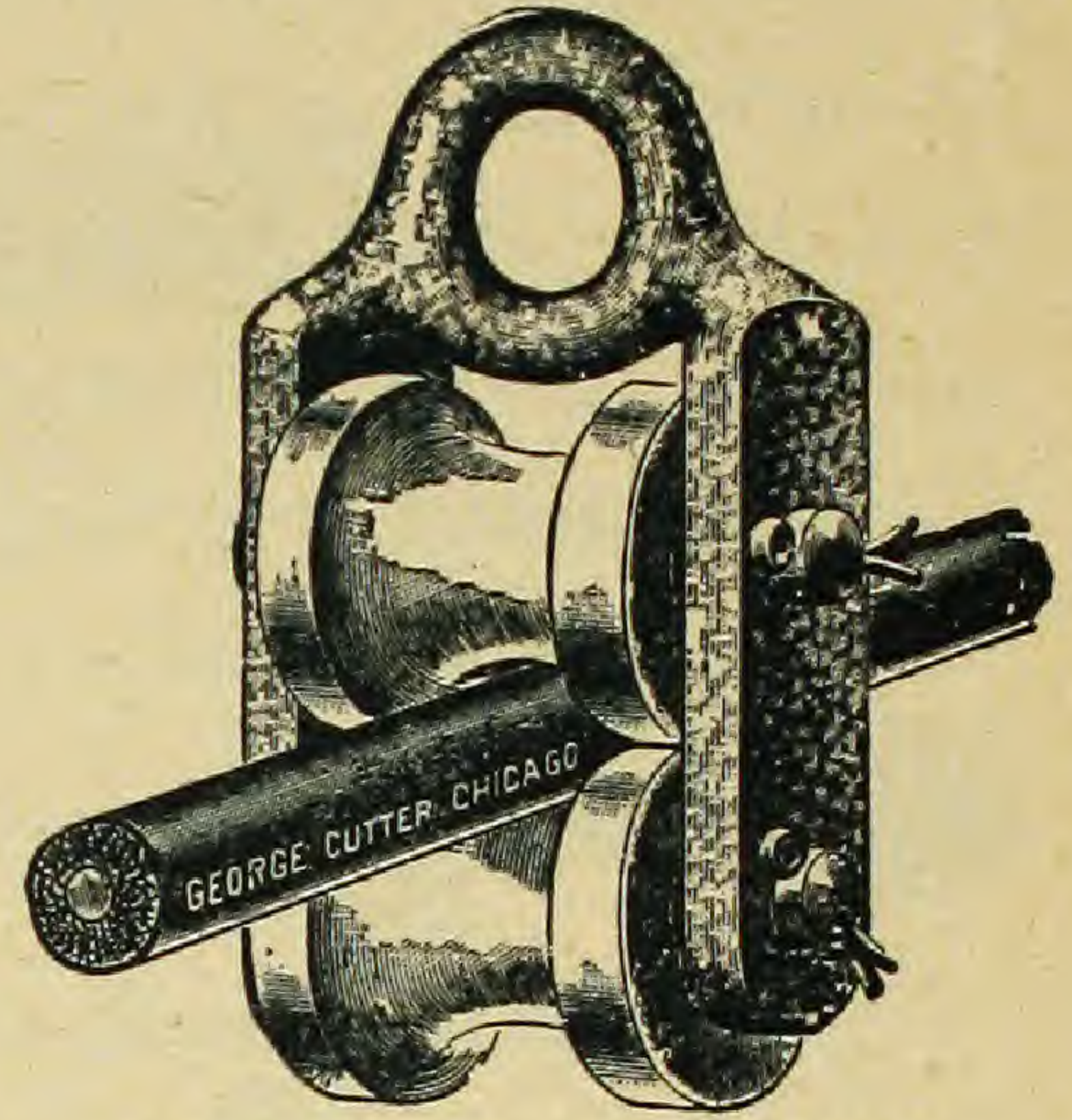
CUTTER'S INSULATED FORK.
"WOODLAND."



CUTTER'S INSULATED TURNBUCKLE.



CUTTER'S WIRE ROPE INSULATOR.
"WARFARE."



CUTTER'S SWINGING INSULATOR.
"WHEEL."

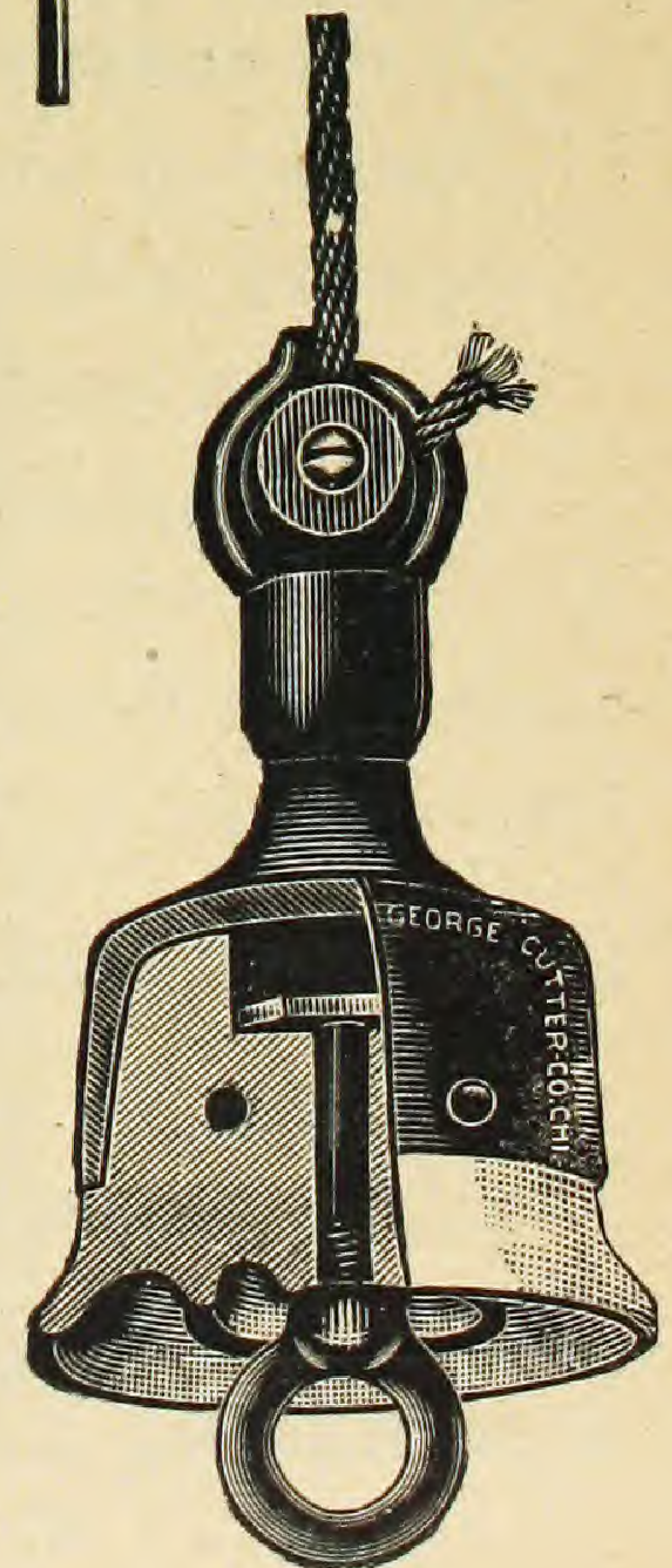


CUTTER'S LOOP BREAK.
"WHENCE."



CUTTER'S HIGH VOL-
TAGE ROPE INSU-
LATOR.
"WEDGE."

SAME, WITH CLAMP
FOR WIRE
ROPE.
"WEDGABLE."



CUTTER'S "BANNER CORE" ROPE (Trade Mark)

A FINE braided cotton rope with a weather-proof finish which keeps out the rain and makes it extra durable. We recommend the 3-8 and 1/2-inch sizes for hoisting arc lamps, the 1/4 and 5-16-inch for use with our "Swinging Hoods," and the 3-16-inch for our "Always Level Street-hood." Sizes in stock:

- 3-16-inch (about 48 feet to the lb.) "*Whereof.*"
- 1/4-inch (about 40 feet to the lb.) "*Wherefor.*"
- 5-16-inch (about 32 feet to the lb.) "*Whereby.*"
- 3-8-inch (about 17 feet to the lb.) "*Whereat.*"
- 1/2-inch (about 12 1/2 feet to the lb.) "*Wheresoever.*"
- Any size, per pound\$0.28

CUTTER'S "EBONY" WIRE ROPE (Trade Mark)

A WIRE rope made of six flexible strands (each with soft center) around a flexible (black) center. The only wire rope really pliable enough to work freely with standard types of pulleys.

- Per foot (*Wherein*) \$0.02 3/4

CUTTER'S COMBINATION WINDLASS

CAN be used either as a plain or as a geared windlass, at the option of the trimmer. He can use it as a plain windlass to lower the lamp quickly, and then use the gearing to raise the lamp. The pinion is detachable and is fastened to the light handle, so that a single pinion will answer for any number of windlasses. This feature secures the extra leverage of the gearing without the usual extra cost.

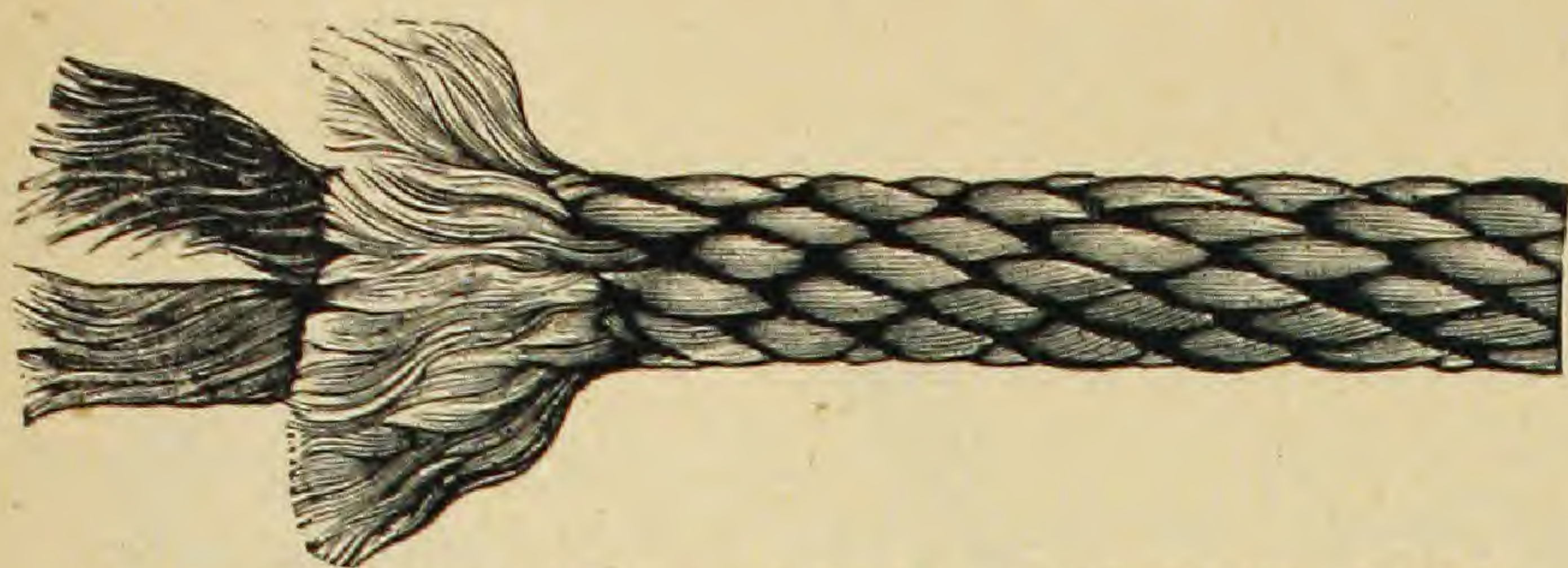
The locking can be operated only by the pinion handle, so that the device is guarded against tampering. The drum will hold sixty feet of 1/4-inch wire cable, or forty feet of 3-8-inch "Banner Core" Rope.

- Combination Windlass, without handle (*Westward*) \$2.25
- Pinion handle (*Whether*) .90

CUTTER'S WALL WINDLASS

SIMILAR to the above, but with side lugs for attaching to walls, square or hexagonal poles, or other flat surfaces.... (*Westwardly*) \$2.45

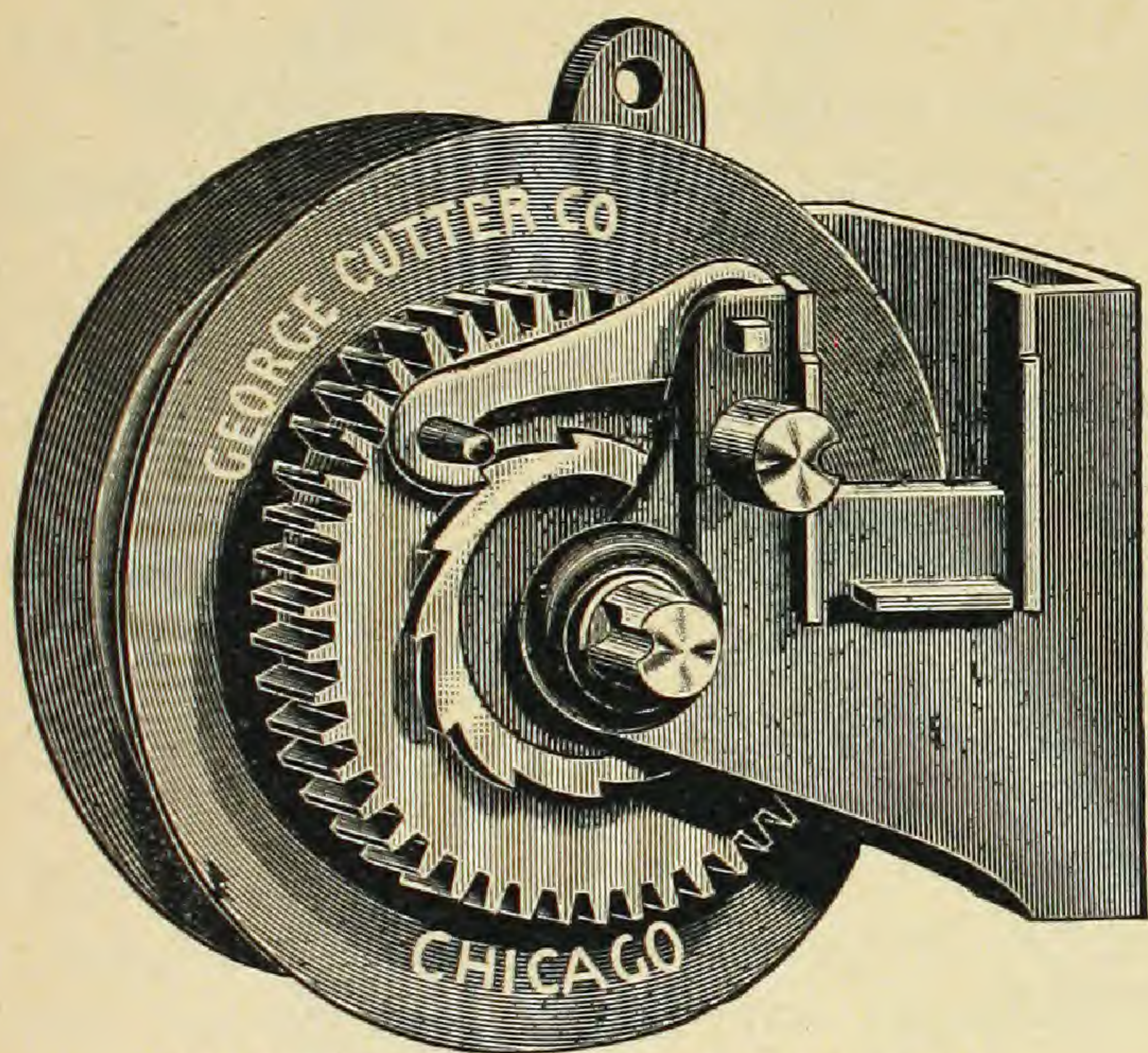
Wire Hoisting Ropes are apt to cause accidents unless made safe by
Cutter's High Voltage Rope Insulators



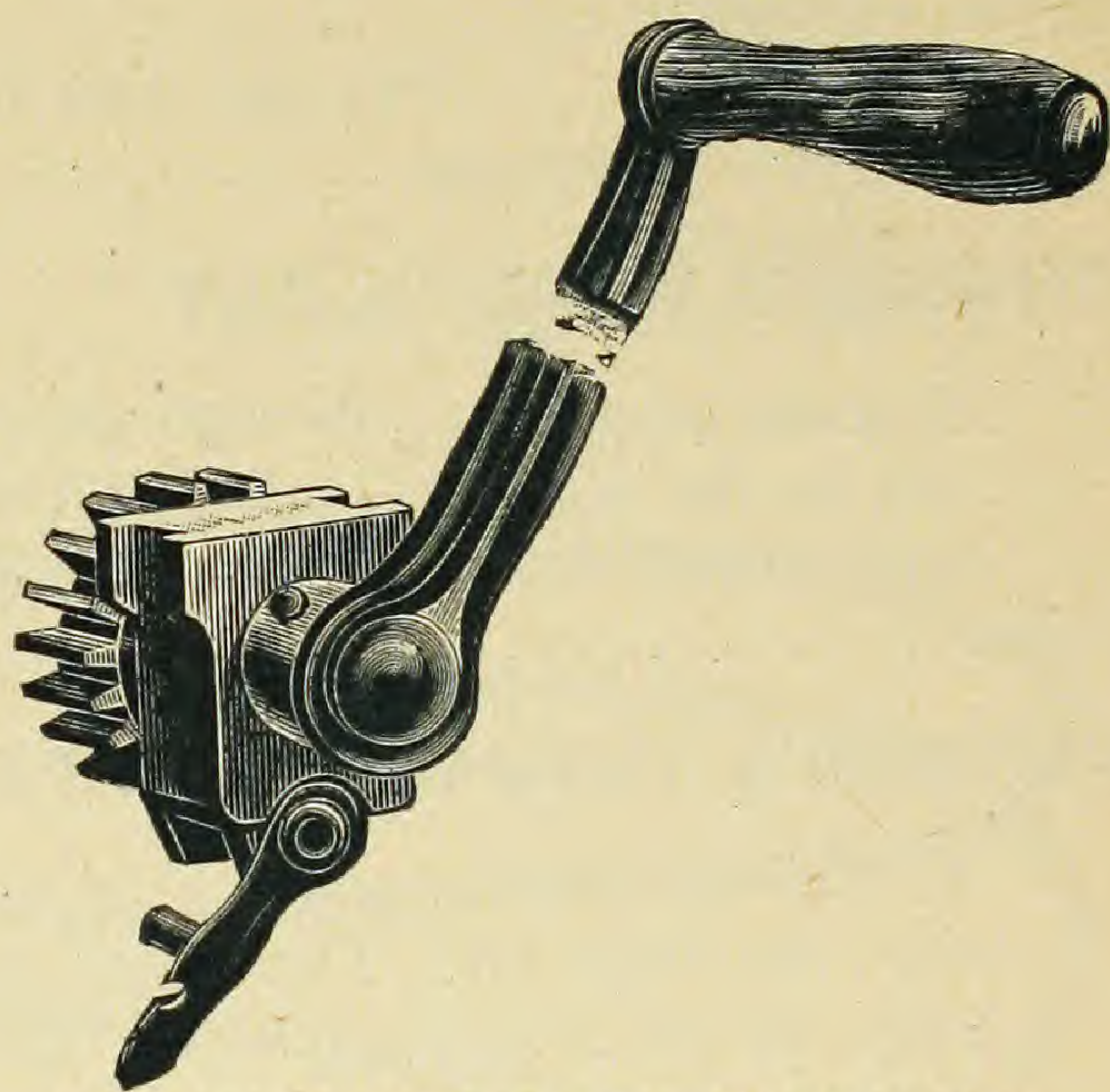
CUTTER'S "BANNER CORE" HOISTING ROPE.
(TRADE MARK)



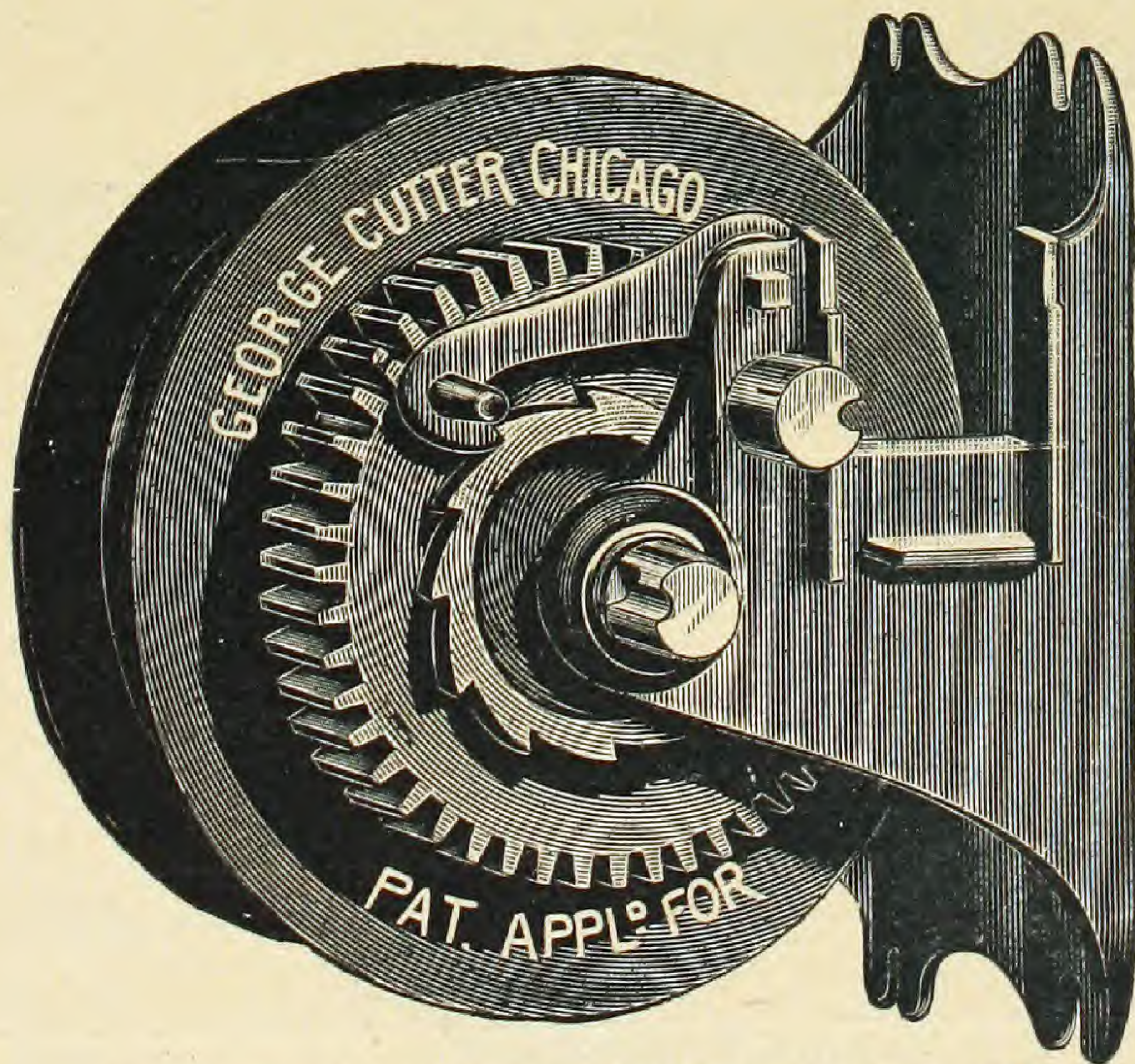
CUTTER'S "EBONY" WIRE ROPE.
(TRADE MARK)



CUTTER'S WALL WINDLASS.
"WESTWARDLY."



PINION HANDLE FOR WINDLASS.
"WHETHER."



CUTTER'S COMBINATION WINDLASS.
"WESTWARD."

CUTTER'S ROPE CLAMP

MADE of malleable iron, will readily clamp any size rope up to 3-8-inch, enabling the end of the hoisting pole to be locked at the pole. Can be used over and over again when the rope wears out.

Price, per dozen (Warning) \$1.20

(For High Voltage Rope Clamp, see page 14).

Cutter's Half-Inch Clamp, same as above, for 1/2-inch ropes,
per dozen (Warn) \$1.25

CUTTER'S POLE LOCK

HAS the keyhole at the bottom and not at the top (where the rain and sleet would drive into it). The double catch makes it *non-pickable*, the back fits either a wall or a pole, and the casing makes it *weather-proof*. Just the thing to prevent tampering with hoisting ropes.

Price, complete (Welter) \$0.40

One key free with every ten locks.

Extra keys (Wept) \$0.10

CUTTER'S ROPE CLEAT

STRONG and neat (though no cleat with its coil of rope make as neat a job as the Rope Clamp and Pole Lock.) Malleable iron, nicely tinned, with edges rounded so as not to cut the rope.

Price (Wakable) \$0.15

CUTTER'S TRIMMER'S ROPE

Is A thirty foot hoisting rope, with a snap-hook at one end and six rings near the other end. The rings can readily be clamped at any desired intervals, so as to accommodate lamps hung at varying heights above the street. Just the thing for use with hoisting ropes, ending in a Cutter's Rope Clamp and locked with a Cutter's Pole Lock.

Price, complete (Western) \$1.25

CUTTER'S ORNAMENTAL POLESTEP

FITS either round or octagonal poles and looks much neater than the ordinary polestep. Is easily fastened in place by using a single lag screw and a nail.

Price (Yonder) \$0.08

CUTTER'S REMOVABLE POLESTEPS

ARE much more easily carried than a ladder. A pair of them weighs less than fourteen ounces, and can be slipped into the pocket. Both the polesteps and the sockets for them (which are hooded over so as to be sleet-proof) are made of malleable iron.

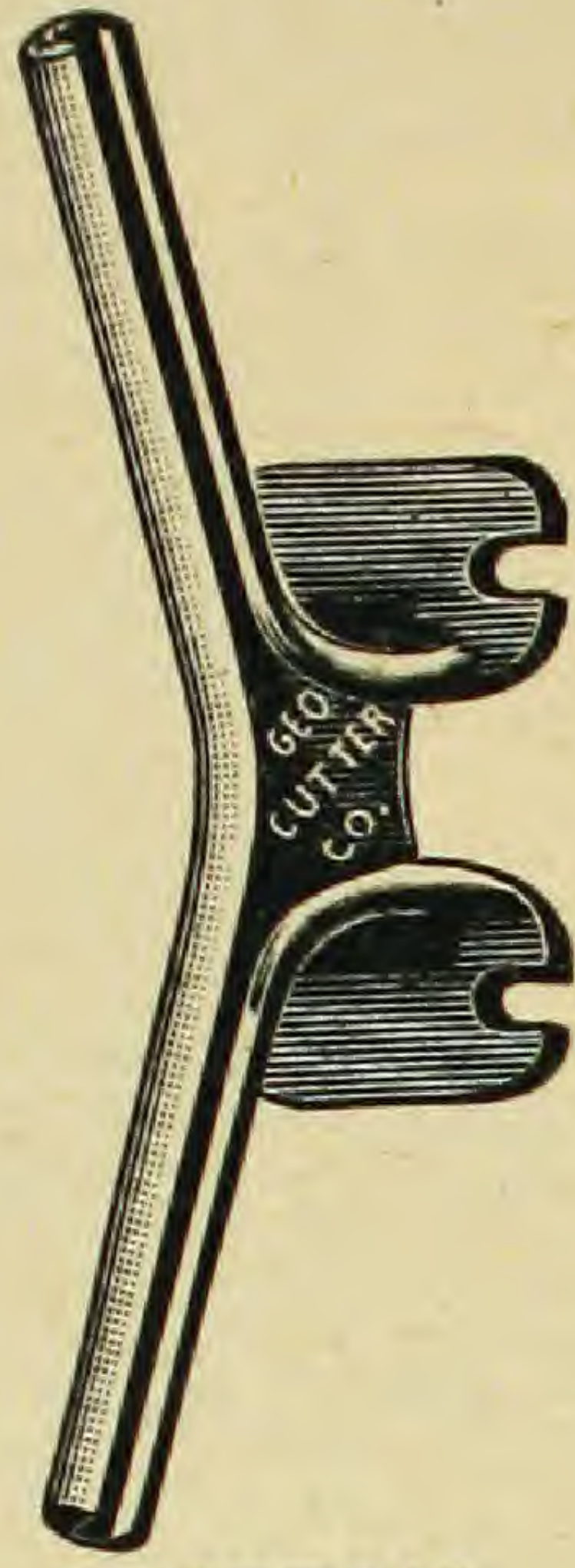
Removable Polesteps, each (Wheeze) \$0.12 1/2

Sockets for same (Whenever) .07 1/2

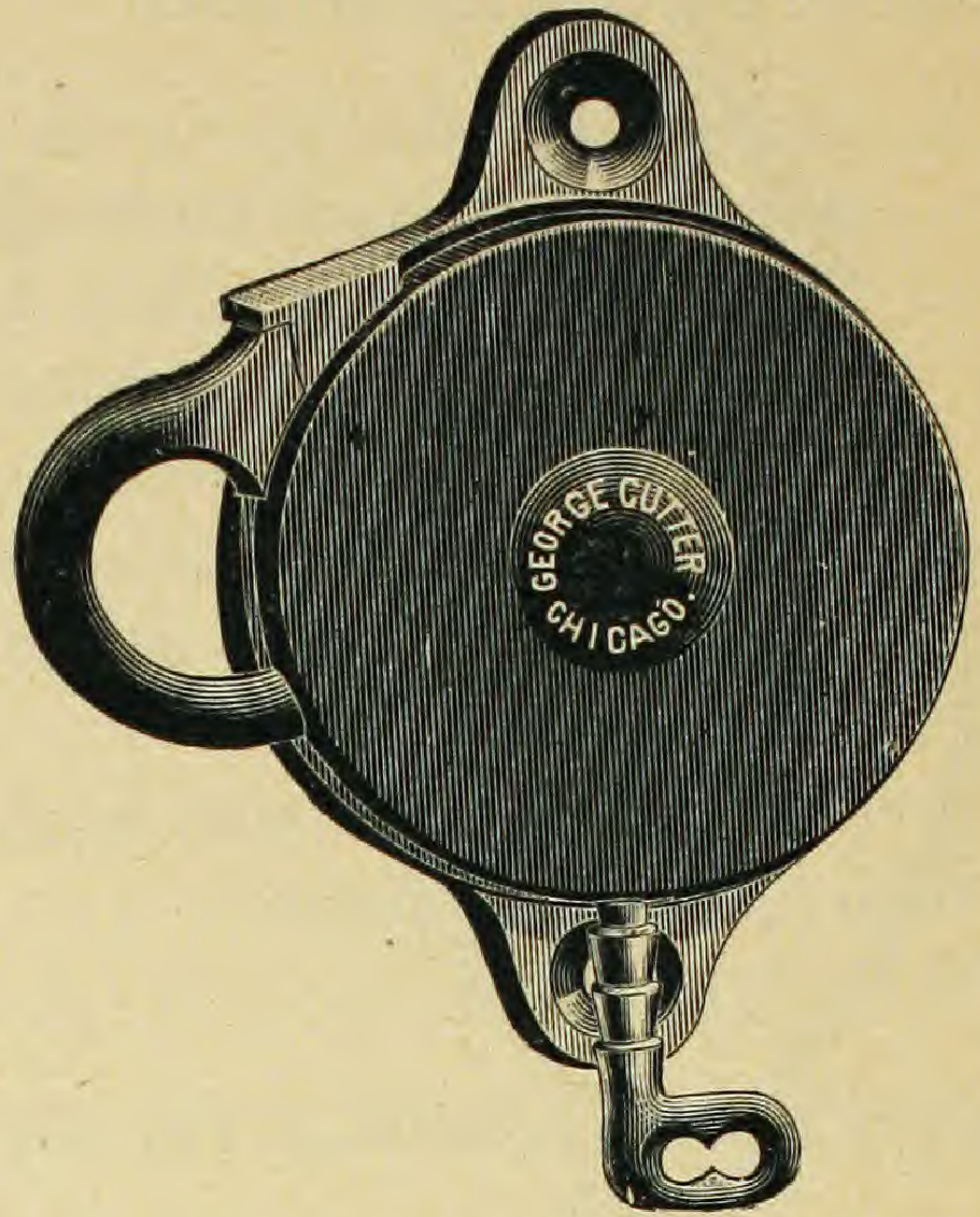
Why carry a ladder when a pair of Cutter's Removable Polesteps weigh
but 14 ounces?



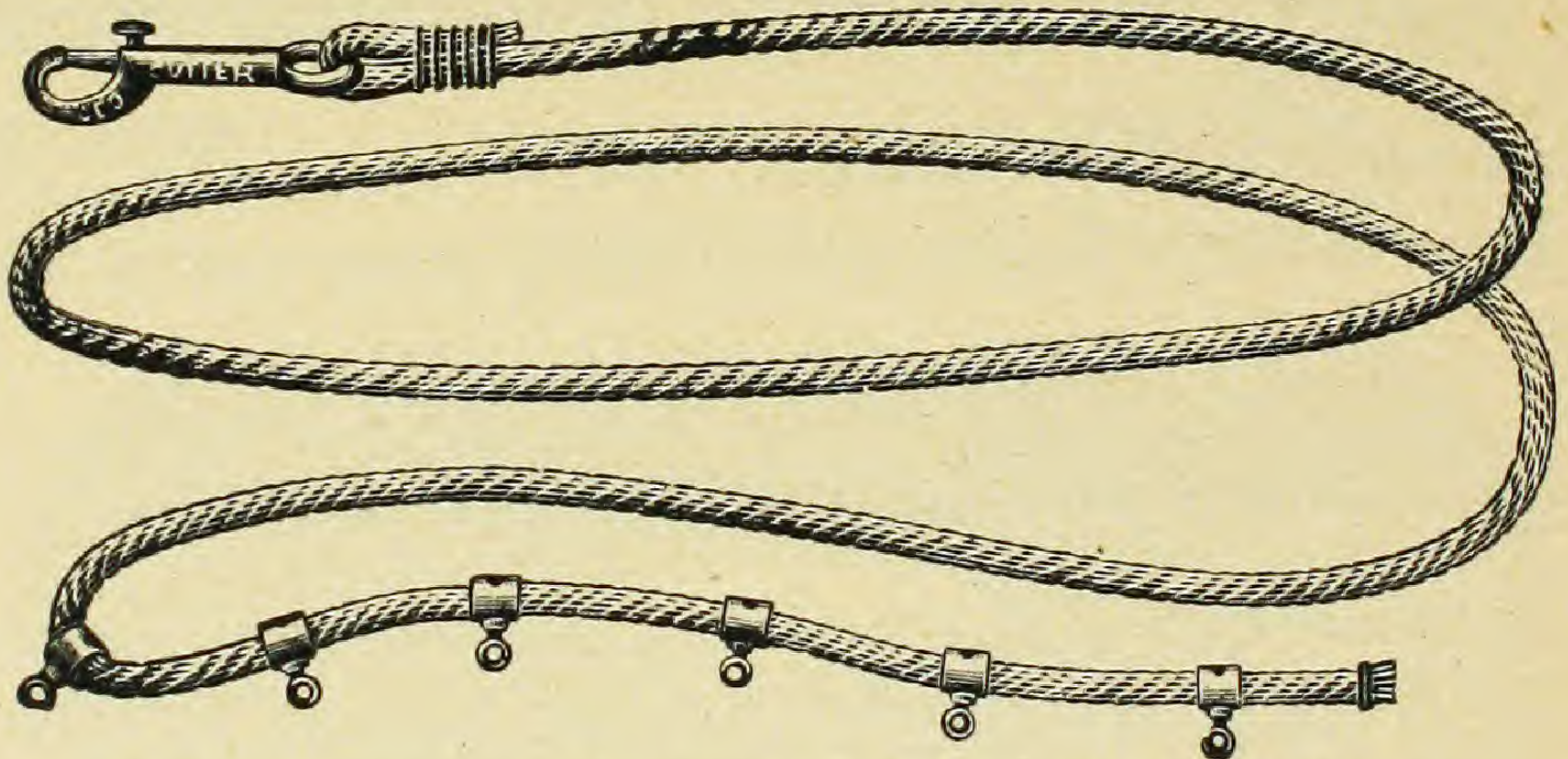
CUTTER'S ROPE CLAMP.
"WARNING."



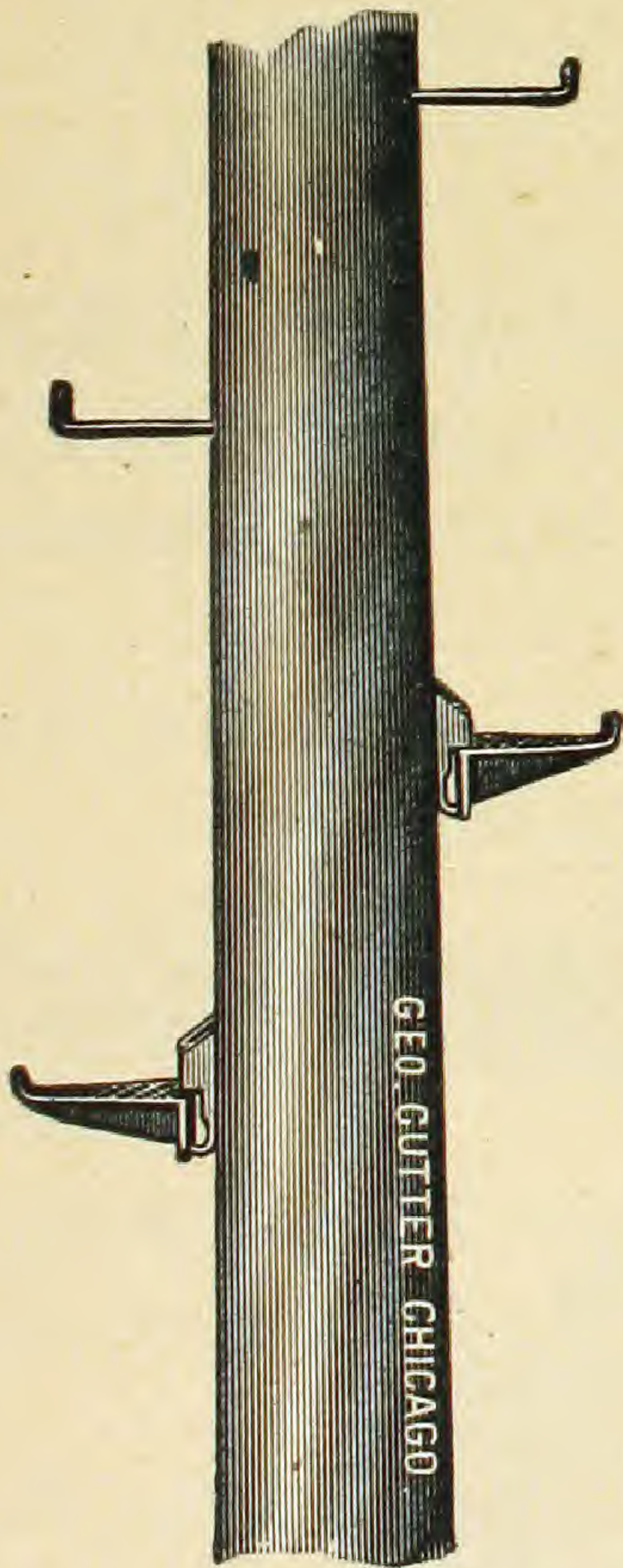
CUTTER'S ROPE CLEAT
"WAKABLE."



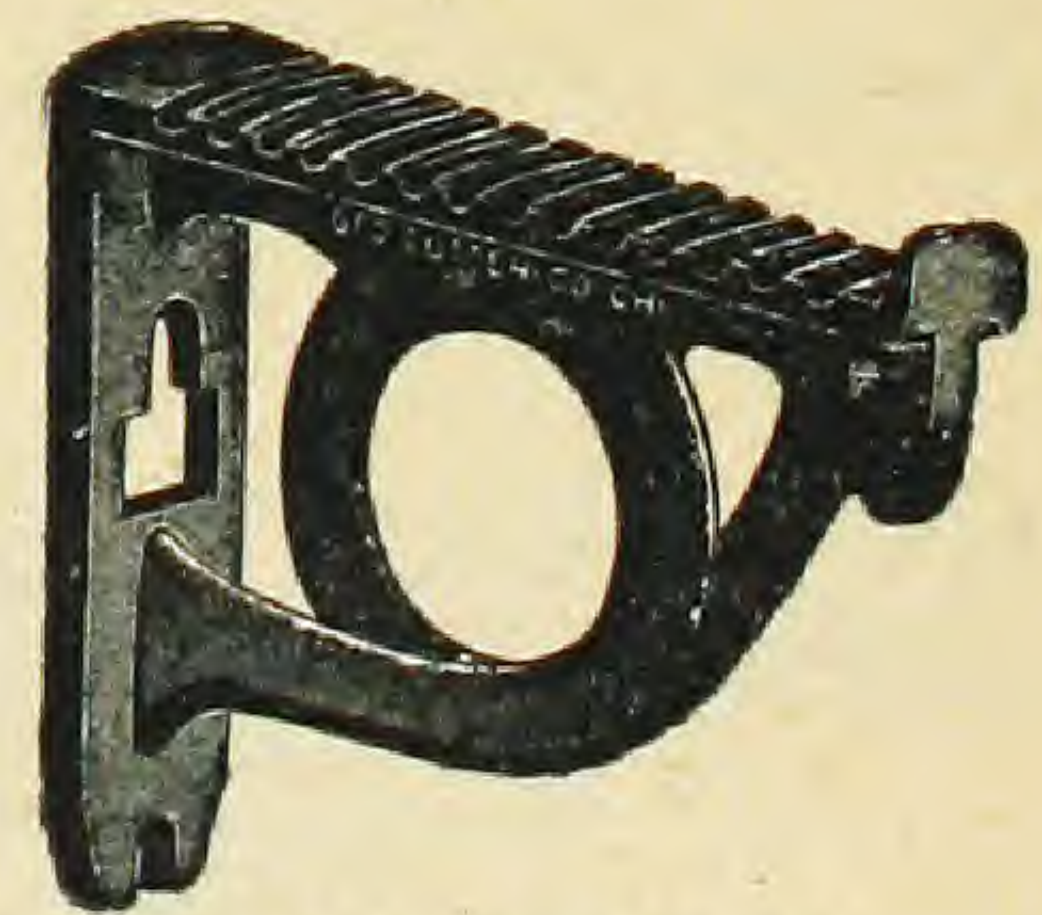
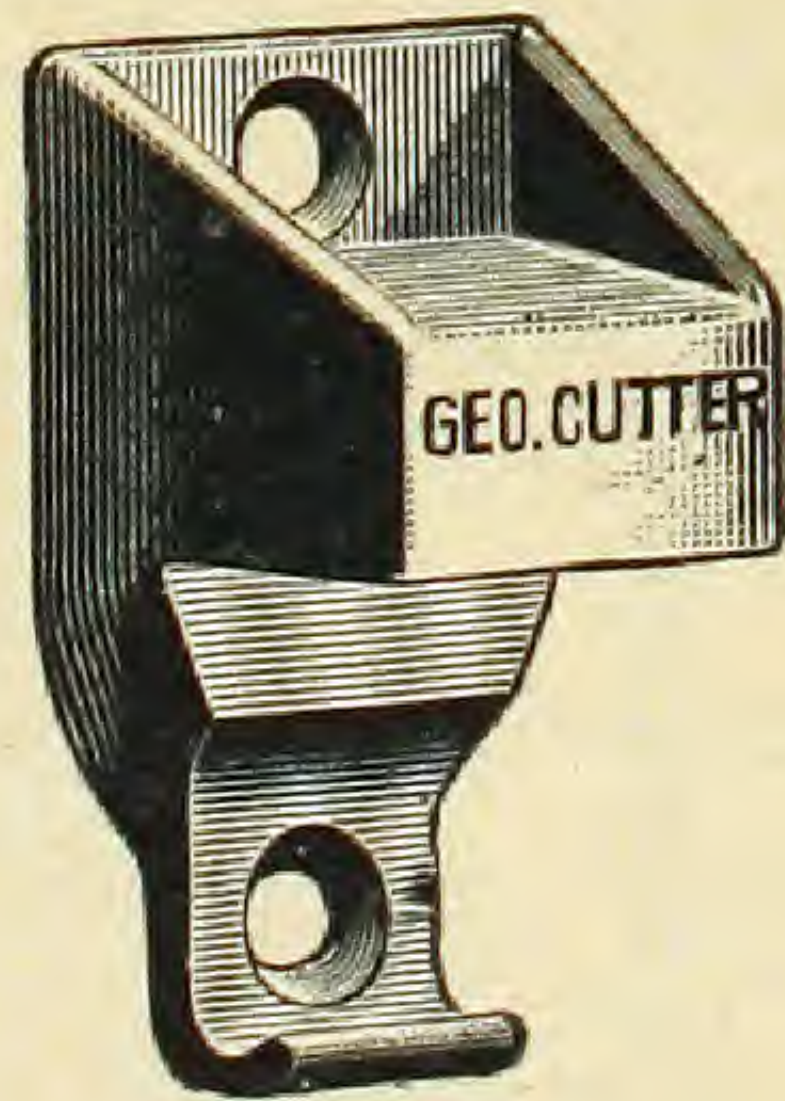
CUTTER'S POLE LOCK,
"WELTER,"
AND KEY, "WEPT."



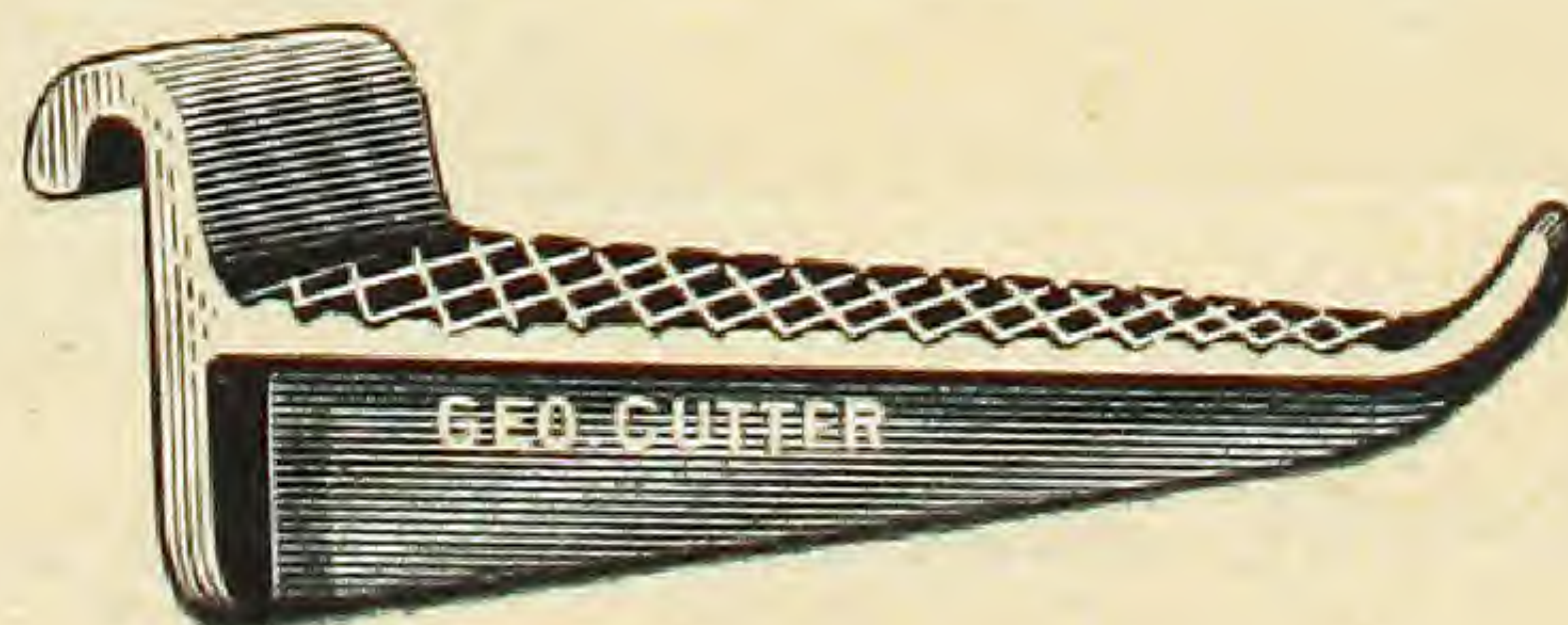
CUTTER'S TRIMMER'S ROPE.—"WESTERN."



CUTTER'S REMOVABLE
POLESTEP, "WHEEZE,"
AND SOCKET FOR
SAME,
"WHENEVER."



CUTTER'S
ORNAMENTAL
POLESTEP.
"YONDER."



CUTTER'S ARC HOOD

MEETS the demand for an arc-lamp hood of the standard pattern, with every part strongly made of good material, so as to wear well. The *hood proper* (made separable so as to be nested for shipment) is made of heavy galvanized iron and is fitted with either an absolute cutout board, a plain hanger board, or a simple hook.

The *cross-arm* has its ends bound with metal ferrules to prevent them from splitting, and is coated with a baked enamel which keeps it dry and wears well.

Price, with absolute cutout board	(<i>Warehouse</i>)	\$3.00
With plain hanger board	(<i>Wariness</i>)	2.40
With simple hook	(<i>Warrior</i>)	2.00

CUTTER'S ABSOLUTE CUTOUT BOARD

MADE of seasoned maple, waterproofed, and fitted with spring contact hooks, which prevent an open circuit in case the lamp is tilted. These hooks are *bolted* to the board—so that they cannot work loose, and the spring is so arranged that the lamp can still be quickly hooked in place or taken off. The switch is of the standard type and gives an absolute cutout.

Absolute Cutout Board	(<i>Warrant</i>)	\$1.20
Plain Hanger Board, with binding posts and spring hooks only		
.....	(<i>Warrantee</i>)	.80

CUTTER'S MIDGET CUTOUT HOOD

AN equally well built but smaller hood for use with enclosed arc-lamps. Is large enough to protect the exposed terminals and ventilating openings at the top of such lamps, and has a good absolute cutout switch mounted up in the hood.

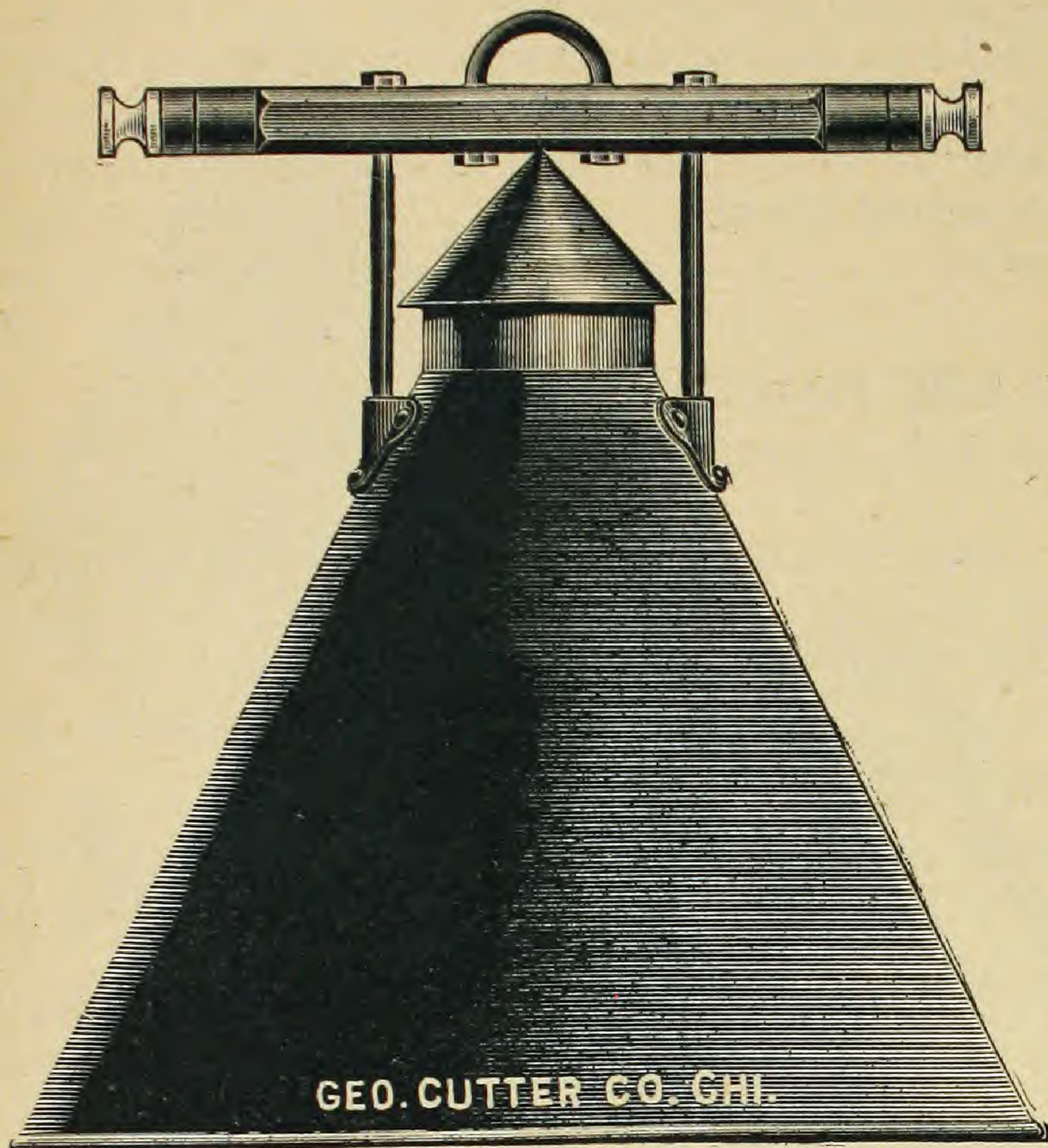
Price complete	(<i>Whilom</i>)	\$2.25
Same, with High Voltage Insulator fitted to the top of the cross-arm....		
.....	(<i>Whinny</i>)	2.70

CUTTER'S MIDGET ARC HOOD

A COMPACT galvanized hood for use with enclosed arc lamps. Strongly built with enameled and metal-bound cross-arm and an inner insulated hook. Black outside, bright inside.

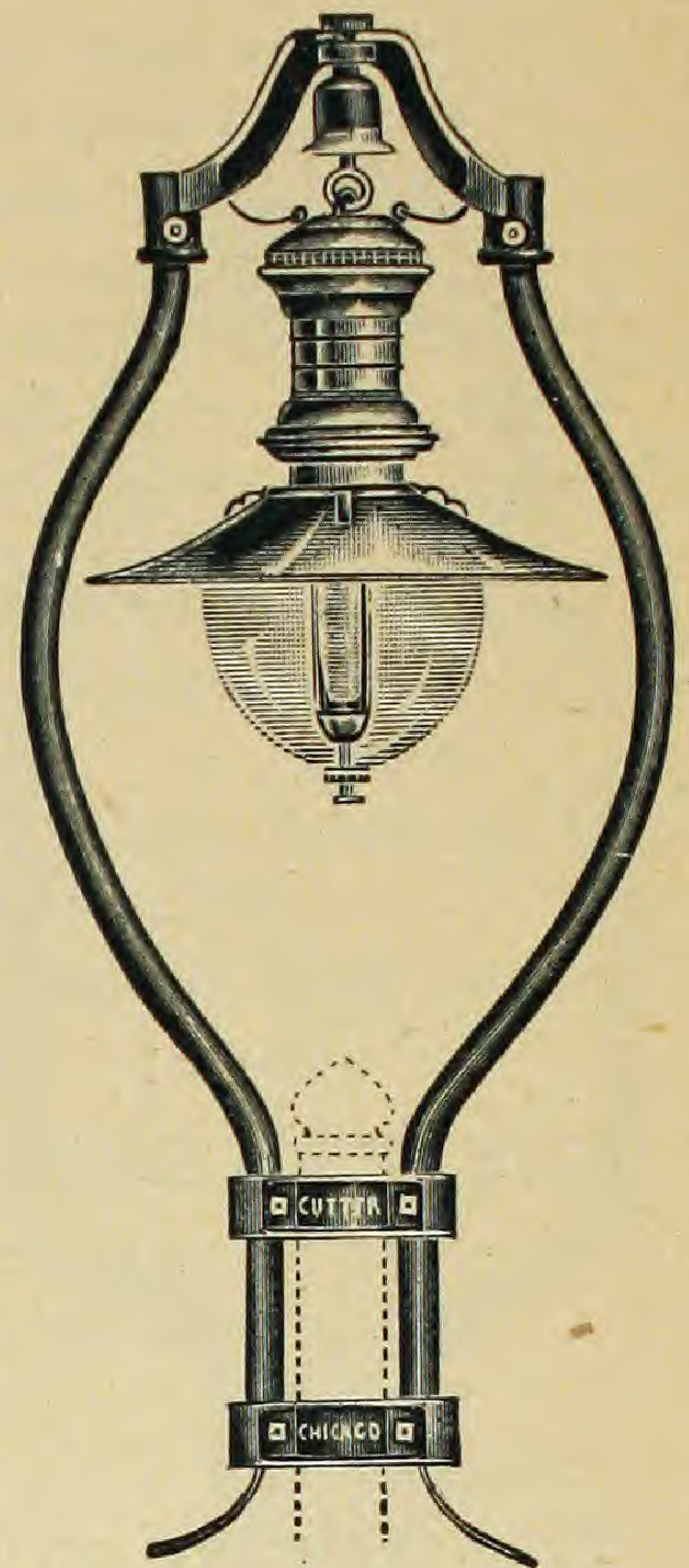
Complete	(<i>Warily</i>)	\$1.25
Same, with High Voltage Insulator fitted to cross-arm.....	(<i>Whining</i>)	\$1.70

For Hoods combining neatness with Durability, specify Cutter's.



GEO. CUTTER CO. CHI.

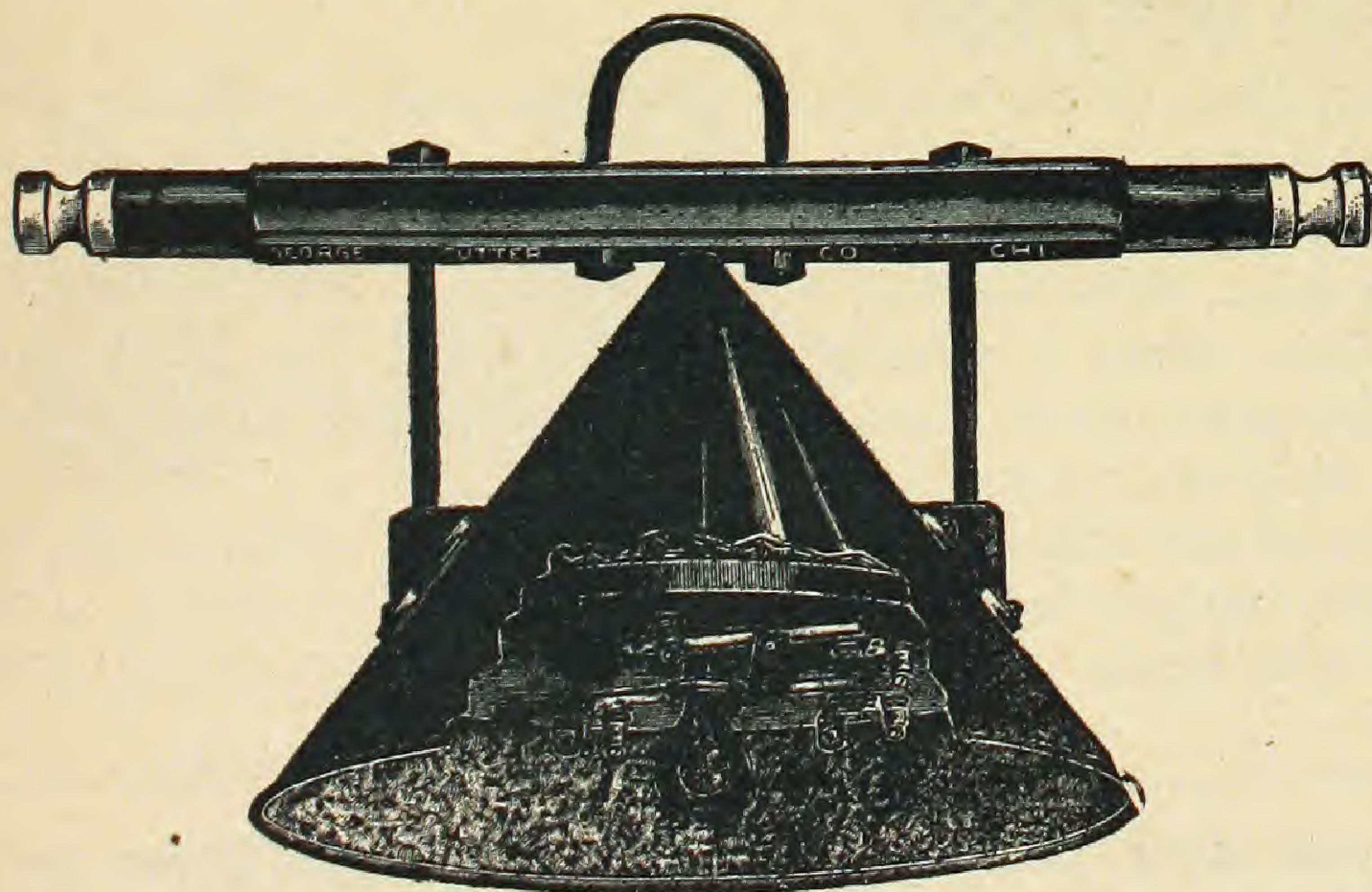
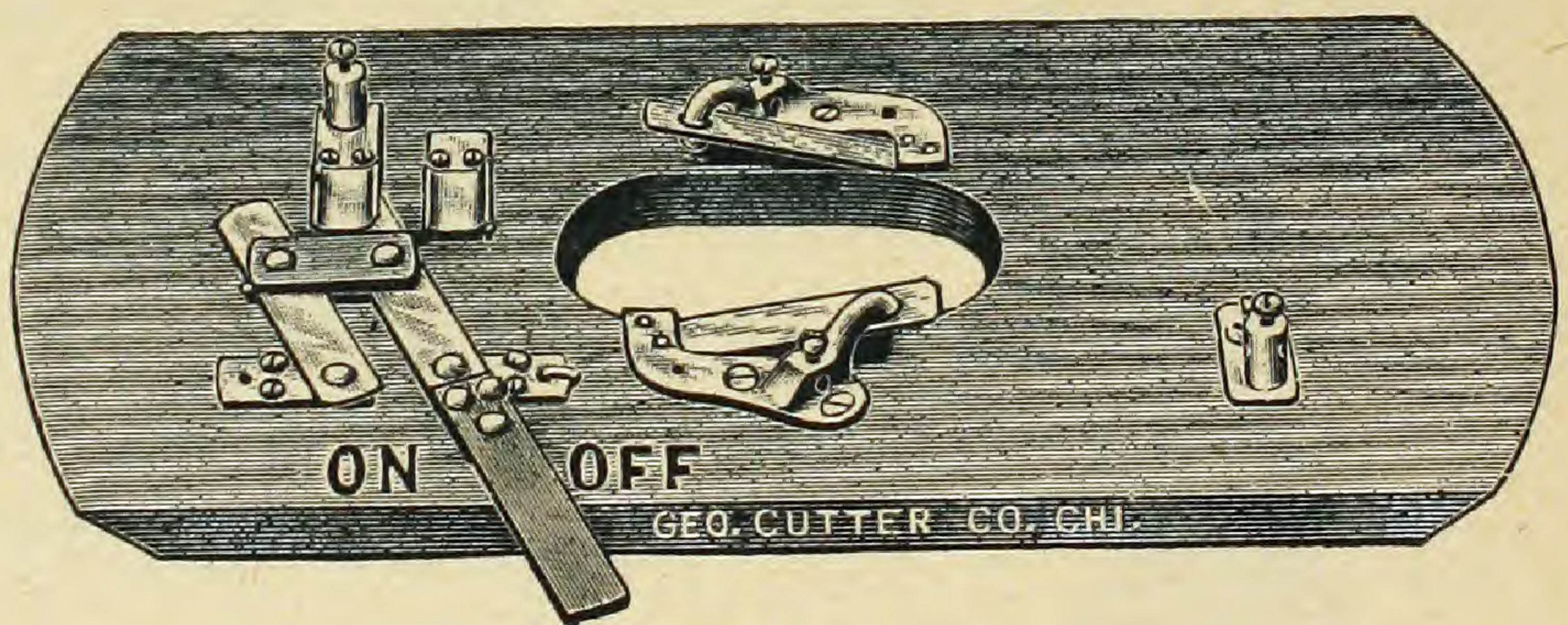
CUTTER'S ARC HOOD.



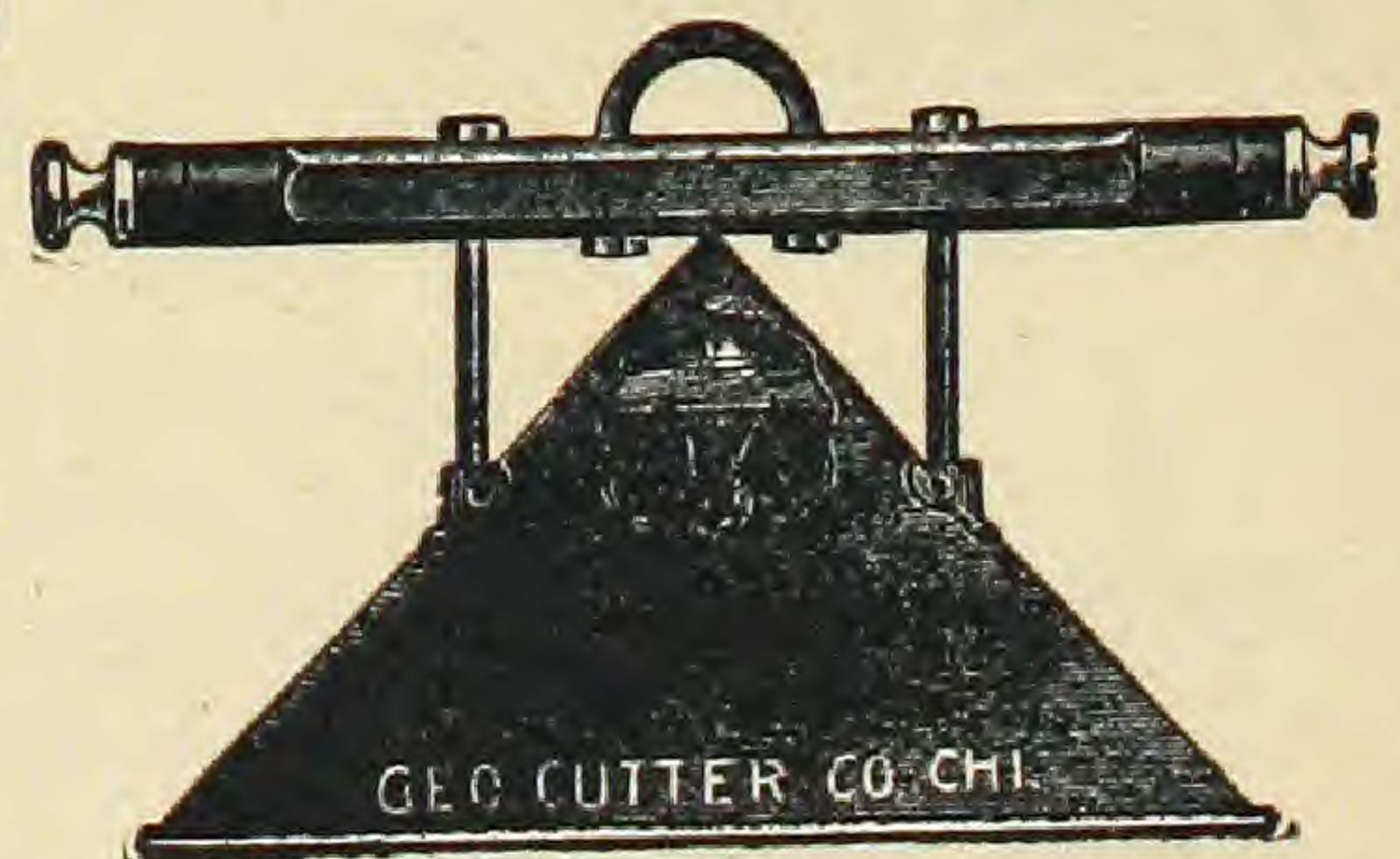
CUTTER'S CLAMP
POLETOP

(See Page 26)

CUTTER'S
ABSOLUTE CUTOUT
BOARD,
"WARRANT."



CUTTER'S MIDGET CUTOUT HOOD—"WHILOM."



CUTTER'S MIDGET ARC
HOOD—"WARILY."

CUTTER'S SHADOWLESS POLETOP

HAS no base projecting on each side of the pole close to the lamp, so as to cast a deep shadow, and does not require the pole to be shaved down to fit a certain size of cap. The supporting plate is curved so as to fit any ordinary size of pole, and the hood is the same as described on page 24.

Price complete with absolute cutout board..... (Wash) \$4.60
 Same, with plain hanger board (Waspish) 4.00
 Same, with simple hook (Washing) 3.60

CUTTER'S ENCLOSED ARC POLETOP

A SHADOWLESS poletop with a small hood, for use with enclosed arc lamps.

With small absolute cutout board (same as used with Cutter's Midget Cutout Hood, page 24)..... (Washable) \$4.25
 Same, with simple insulating hook only (same as in the Midget Arc Hood) (Wassail) 3.25

CUTTER'S REFLECTOR POLETOP

HAS an extra wide spread of pipes, allowing reflectors to be used over the globes, and an arched top supporting a Cutter's High Voltage Insulator.

Complete (Whaling) \$3.25
 Same with pair of Insulator Reflector Clamps..... (Whaleback) 3.65

CUTTER'S CLAMP POLETOP (See cut page 25)

Same as the Reflector Poletop, but with clamps for an iron pole of 4-inch bore (Ventilate) \$3.75
 Same with pair of Insulated Reflector Clamps..... (Ventilating) 4.15
 Cutter's Clamp Poletop for 5-inch (bore) pipe..... (Ventilation) 3.80
 Same with pair of Insulated Reflector Clamps..... (Ventilator) 4.20
 Cutter's Clamp Poletop for 2½-inch (bore) pipe..... (Vent) 3.70
 Same with pair of Insulated Reflector Clamps..... (Ventiduct) 4.10

CUTTER'S INSULATED REFLECTOR CLAMPS

FOR use with poletops to keep the lamps from swinging. Readily unhooked so as not to interfere with the trimming.

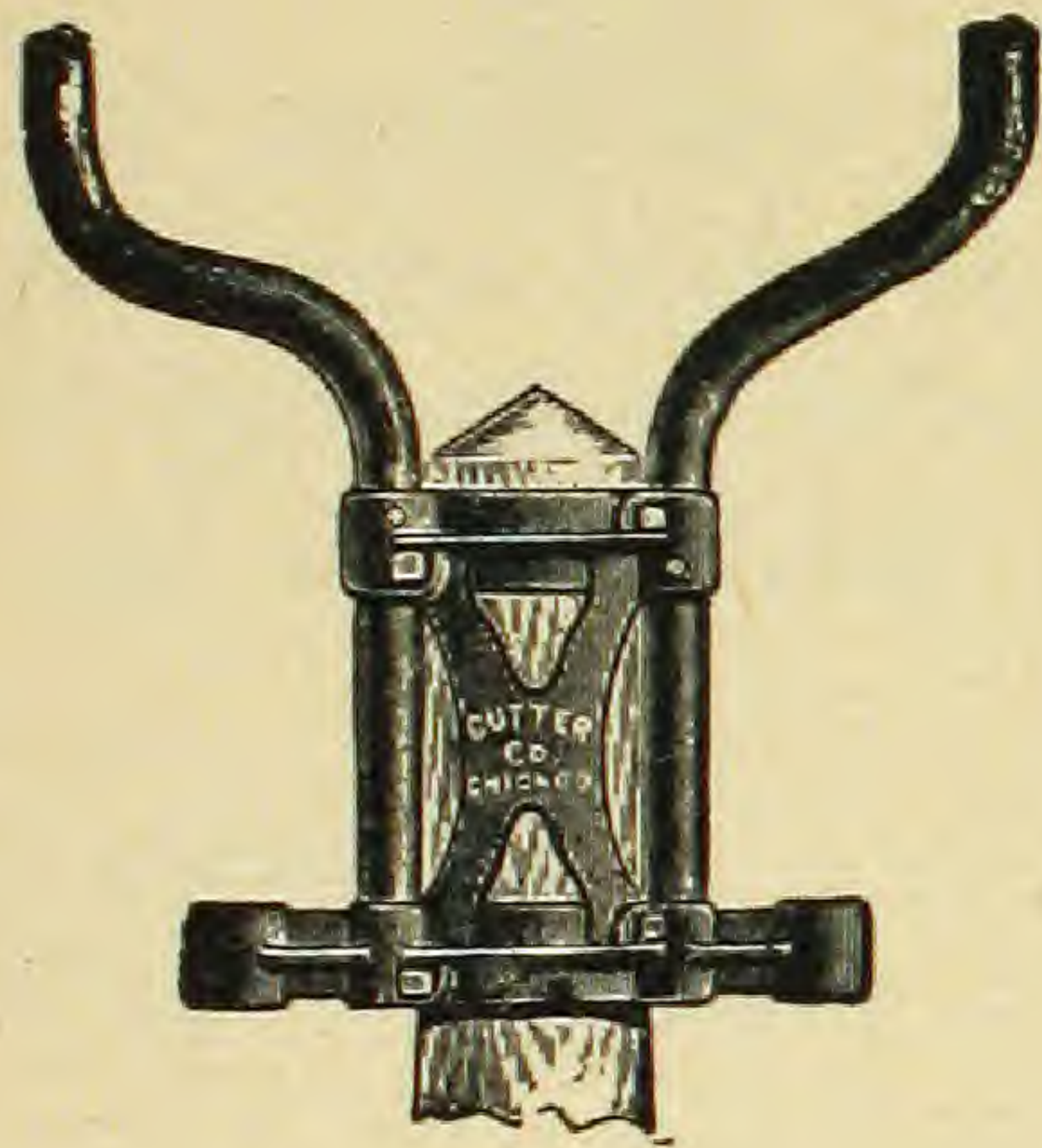
Per pair (Wadding) \$0.40

CUTTER'S STANDARD POLETOP

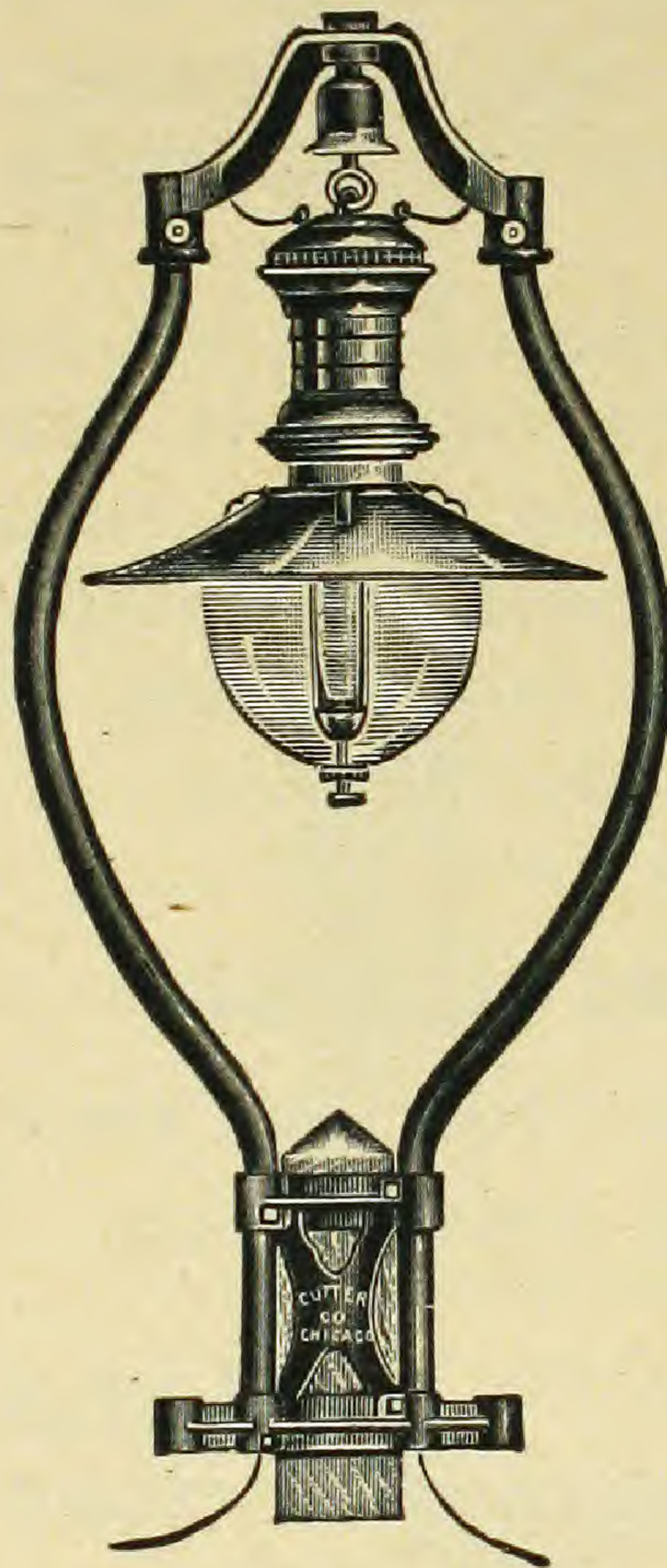
Is built on the familiar lines of the old-style poletops with every part well made of good and substantial stock. The poletop casting is neat in design and complete with sockets for the insulator pins. The uprights are of iron pipe of 3-4-inch bore, thus making a more rigid top and one that is more easily wired than when a smaller size is used. The hood and hanger boards are the same as in Cutter's Arc Hood, and all parts are so arranged as to fit well and be quickly assembled.

Price complete with hood and absolute cutout board..... (Watch) \$4.60
 Same, with hood and plain hanger board..... (Watching) 4.00
 Same, with hood and simple hook (Watchful) 3.60

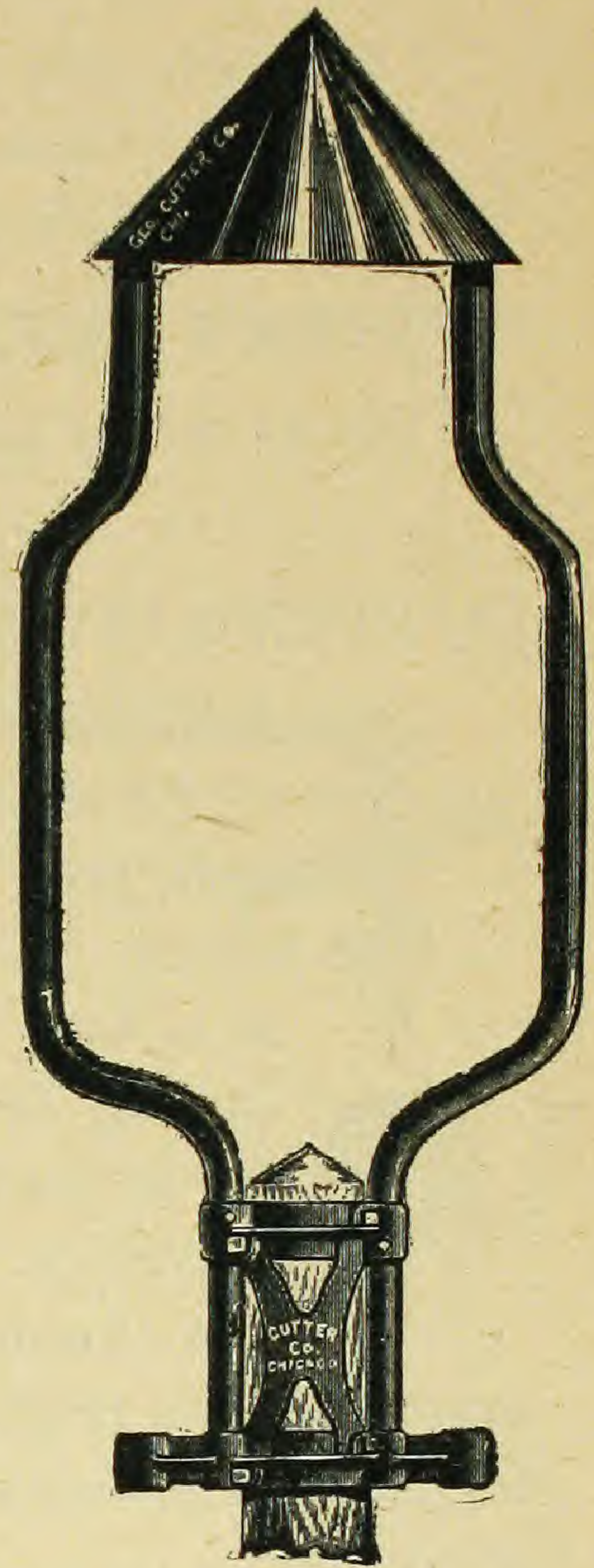
Why use the clumsy, old style poletops when you can get these new forms at such reasonable figures.



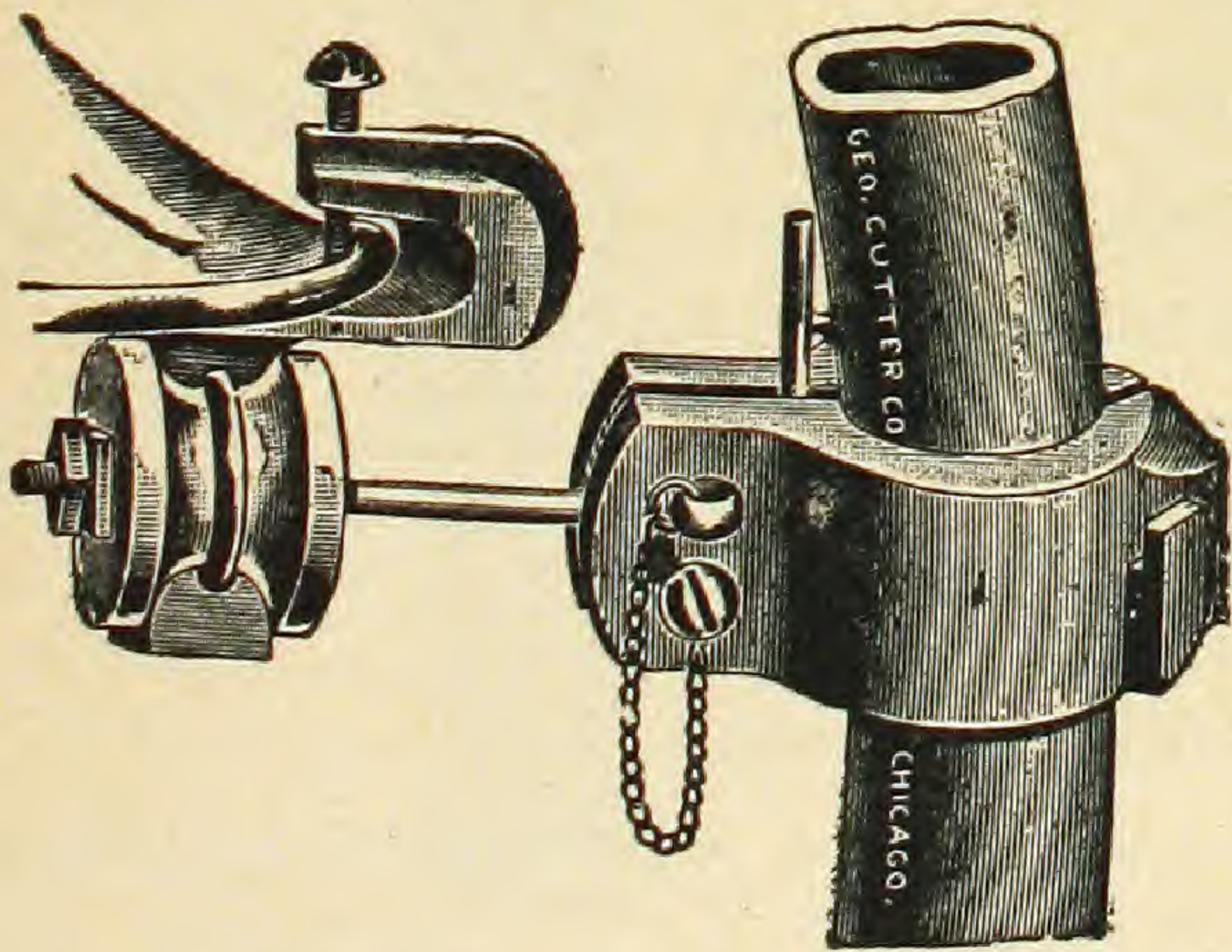
**CUTTER'S
SHADOWLESS
POLE TOP**



**CUTTER'S REFLECTOR
POLETOP.**



**CUTTER'S
ENCLOSED ARC
POLETOP.**



**CUTTER'S INSULATED
REFLECTOR CLAMP,
"WADDABLE."**



**CUTTER'S
STANDARD POLETOP.**

CUTTERS "JUPITER" POLE FIXTURE (Patented)

FITS any size pole, holds the lamp two feet from the pole and has a "Jupiter" Cross-Arm to insulate it from the fixture.

With curved pole-plate (as per cut) (*Vignette*) \$2.75

CUTTER'S "JUPITER" WALL FIXTURE

SAME as the above, but with flat-plate (for square poles or walls)

..... (*Vignetting*) 2.75

CUTTER'S POLE ARC FIXTURE

SUPPORTS the lamp two feet from the pole, so as to bring it out of the line of the shade trees. Can be fastened at any desired height from the top of the pole, fits any size of pole and is more easily put up than a pole-top fixture.

It is built of wrought iron, with malleable iron fittings, making a very strong, firm and neat fixture. This is assembled before shipping, so as to be readily bolted in place. Furnished with either High Voltage Cross-Arm or "Combination Cross-Arm" for insulating the line wires from the fixture and from the lamp frame.

Complete with High Voltage Cross-Arm (*Weaving*) \$2.60

Same, with Combination Cross-Arm..... (*Weasel*) 2.50

CUTTER'S WALL ARC FIXTURE

SAME as the pole Arc Fixture, but with flat-plates for fastening to walls or square poles.

With High Voltage Cross-Arm..... (*Weavable*) \$2.60

Same with Combination Cross-Arm for low voltages..... (*Weaver*) 2.50

CUTTER'S HIGH VOLTAGE HOODED FIXTURE

A CURVED pole fixture, with protecting hood for enclosed arc lamps and a High Voltage Insulator between the hood and the bracket. Holds the lamp two feet from the pole.

Price, complete with absolute cutout switch for series lamps (switch same as shown in cut of hood, bottom page 25) .. (*Whipping*) \$4.60
(State whether for series or multiple circuit.)

Same, with simple hook (see cut, page 25)..... (*Whiskers*) 3.60

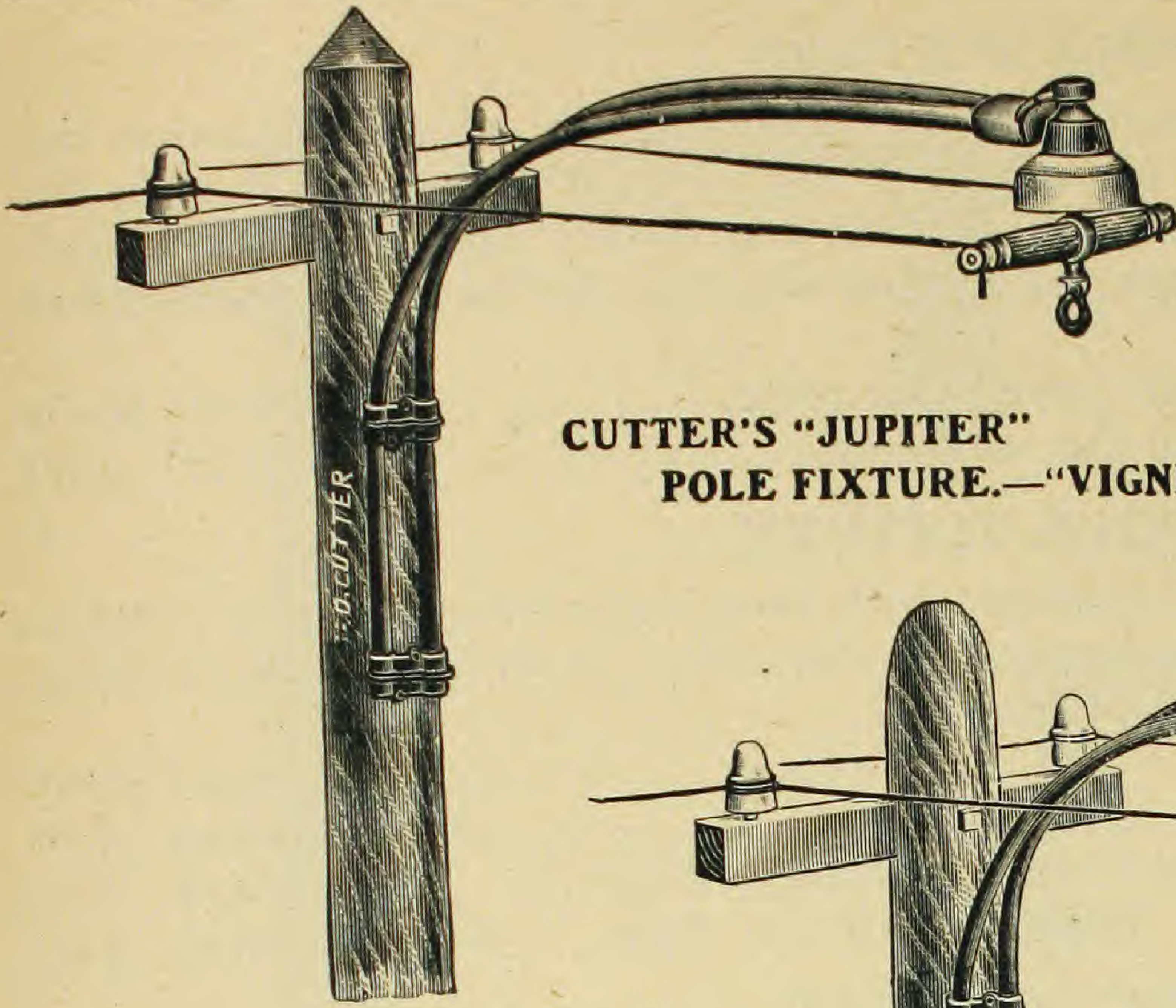
CUTTER'S HOODED POLE FIXTURE

SAME as the above, without the High Voltage Insulator.

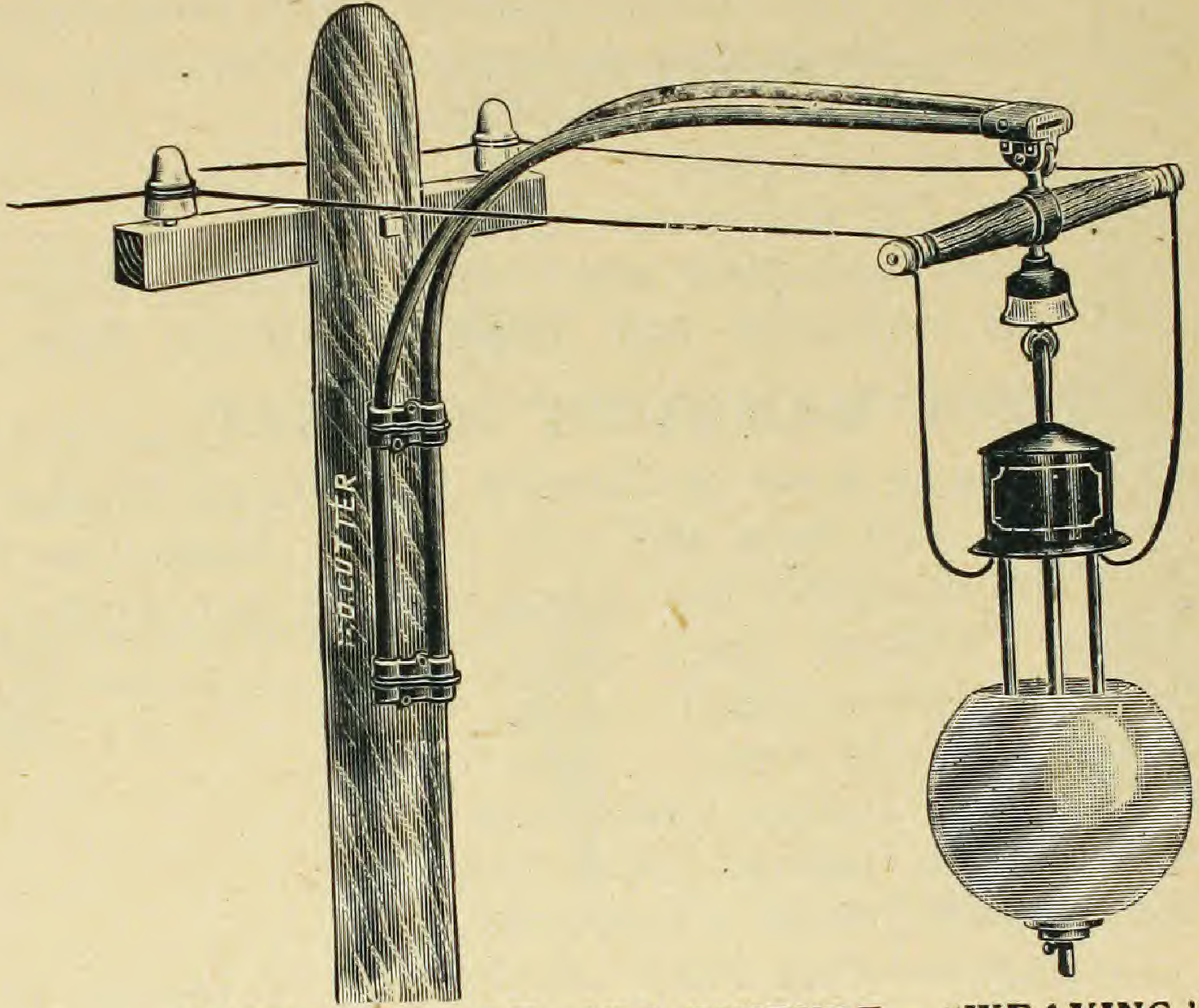
With absolute cutout switch..... (*Whispering*) \$4.15

With simple hook (*Whisk*) 3.15

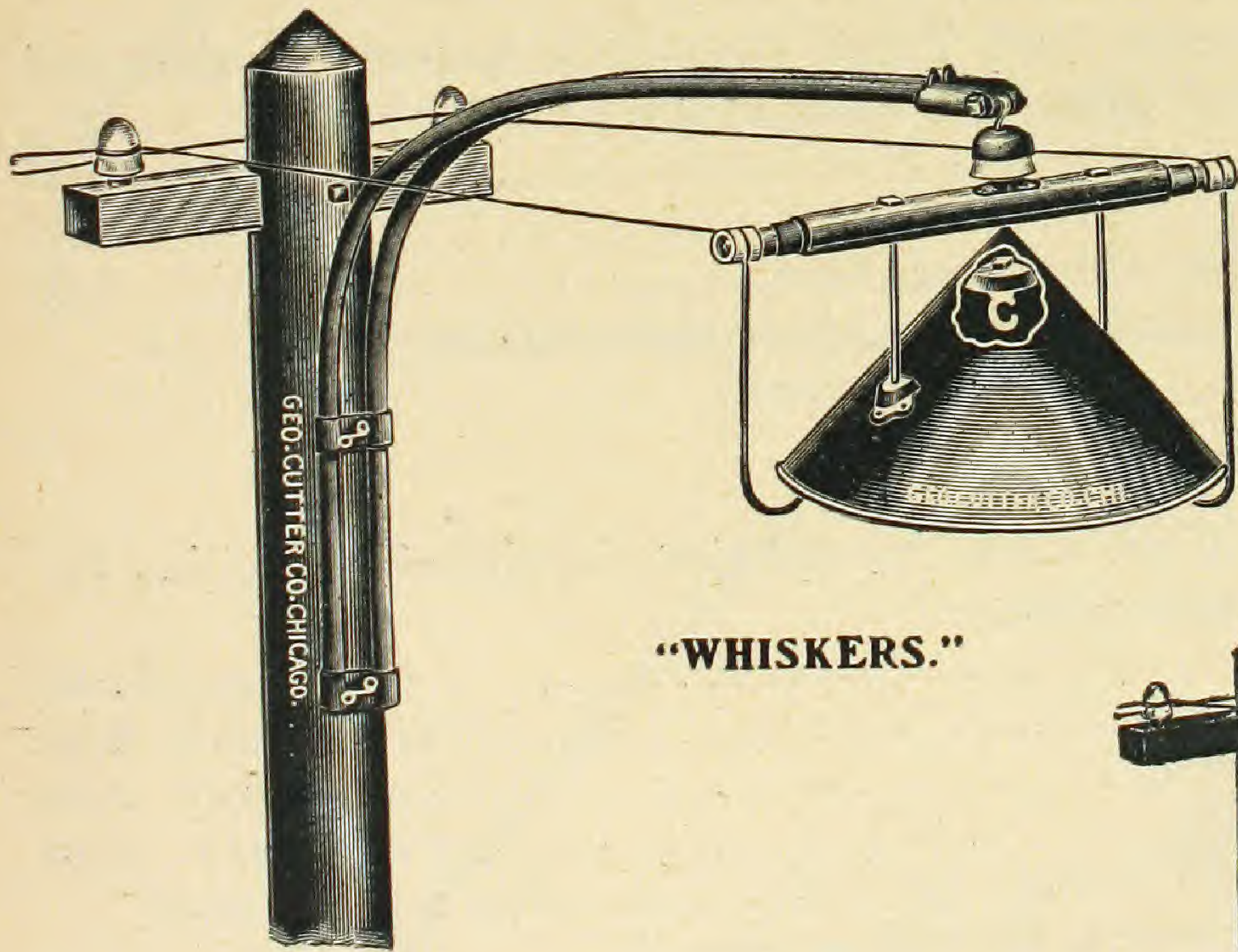
To treble the life of your street hoods and other fixtures, repaint them with Cutter's Paints every three or four years.



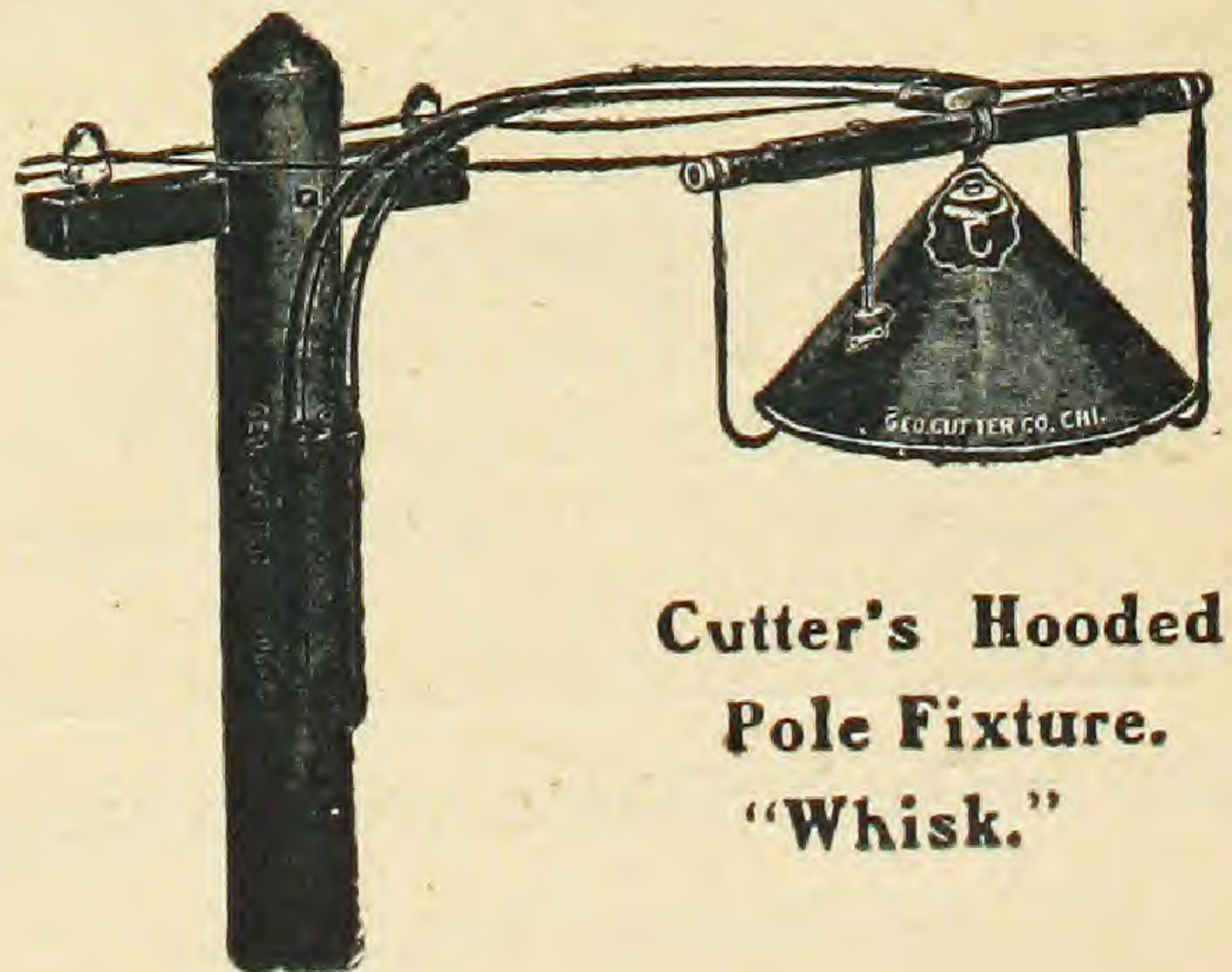
CUTTER'S "JUPITER"
POLE FIXTURE.—"VIGNETTE."



CUTTER'S POLE ARC FIXTURE.—"WEAVING."



"WHISKERS."



Cutter's Hooded
Pole Fixture.
"Whisk."

CUTTER'S SAFETY POLE FIXTURE

FITTED with Cutter's Cutout Pulley (see page 2), which disconnects the lamp from the circuit for trimming and allows it to be lowered while the wires stay up taut. The only bracket pole fixture which allows the lamp to be trimmed on the ground without lowering the line wires and without risk of accidents.

Price, with Pole Pulley and curved pole-plate.....(*Vestibule*) \$7.00
Same with Pole Pulley and flat wall-plate.....(*Vestibular*) 7.00

CUTTER'S PULLEY POLE FIXTURE

A THREE-FOOT fixture complete with lamp-supporting and pole pulleys, enabling the lamp to be lowered for trimming. A strong and fine looking substitute for a short mast-arm.

With curved pole-plate(*Weigh*) \$3.00
Same with flat wall-plate(*Weighman*) 3.00
With curved pole-plate and Triple Insulation Arm.....(*Weighing*) 3.75
With flat wall-plate and Triple Insulation Arm...(*Weighmaster*) 3.75

CUTTER'S "MAMMOTH" BRACKET

A LARGER form of Cutter's Inner-Rope Bracket with a horizontal pipe of 1¼-inch bore and with Cutter's Mast-Arm Pulley at the outer end. (The headpiece has strong ears for guy wires.)

8 foot (without rope)(*Vicar*) \$3.20
10 foot (without rope)(*Vicarage*) 3.40
12 foot (without rope)(*Vicarious*) \$3.60
8 foot with Jupiter Cross-Arm.....(*Viceroy*) 4.20
10 foot with Jupiter Cross-Arm.....(*Vicinage*) 4.40
12 foot with Jupiter Cross-Arm.....(*Vicinity*) 4.60

(In ordering state whether flat or curved flange is wanted.)

CUTTER'S PLAIN ARC BRACKET

A COMMON-SENSE Bracket, with Triple Insulation Arm at the outer end and either flat or curved plate (for wall or pole).

Complete, 2-foot reach.....(*Yearly*) \$1.60
Same, with 6-foot reach.....(*Yearin*) 1.80
Headpiece alone with Triple Insulation Arm.....(*Yearout*) 0.80

(Other lengths built to order. For corner-plate add 10 cents to the above prices.)

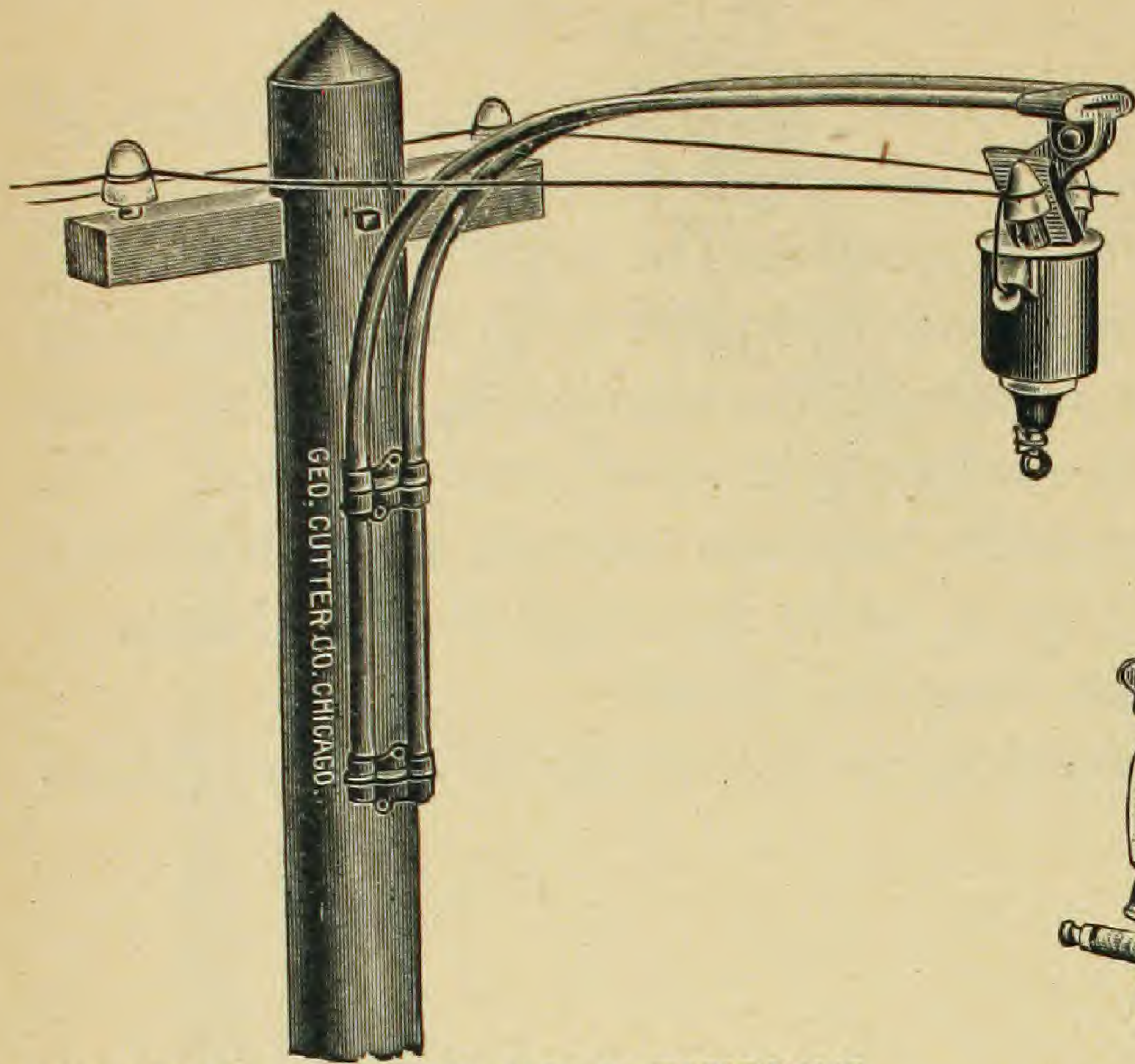
CUTTER'S "LODGE" BRACKET

AN ornamented form of the Plain Arc Bracket, furnished with either flat wall-plate or curved pole-plate.

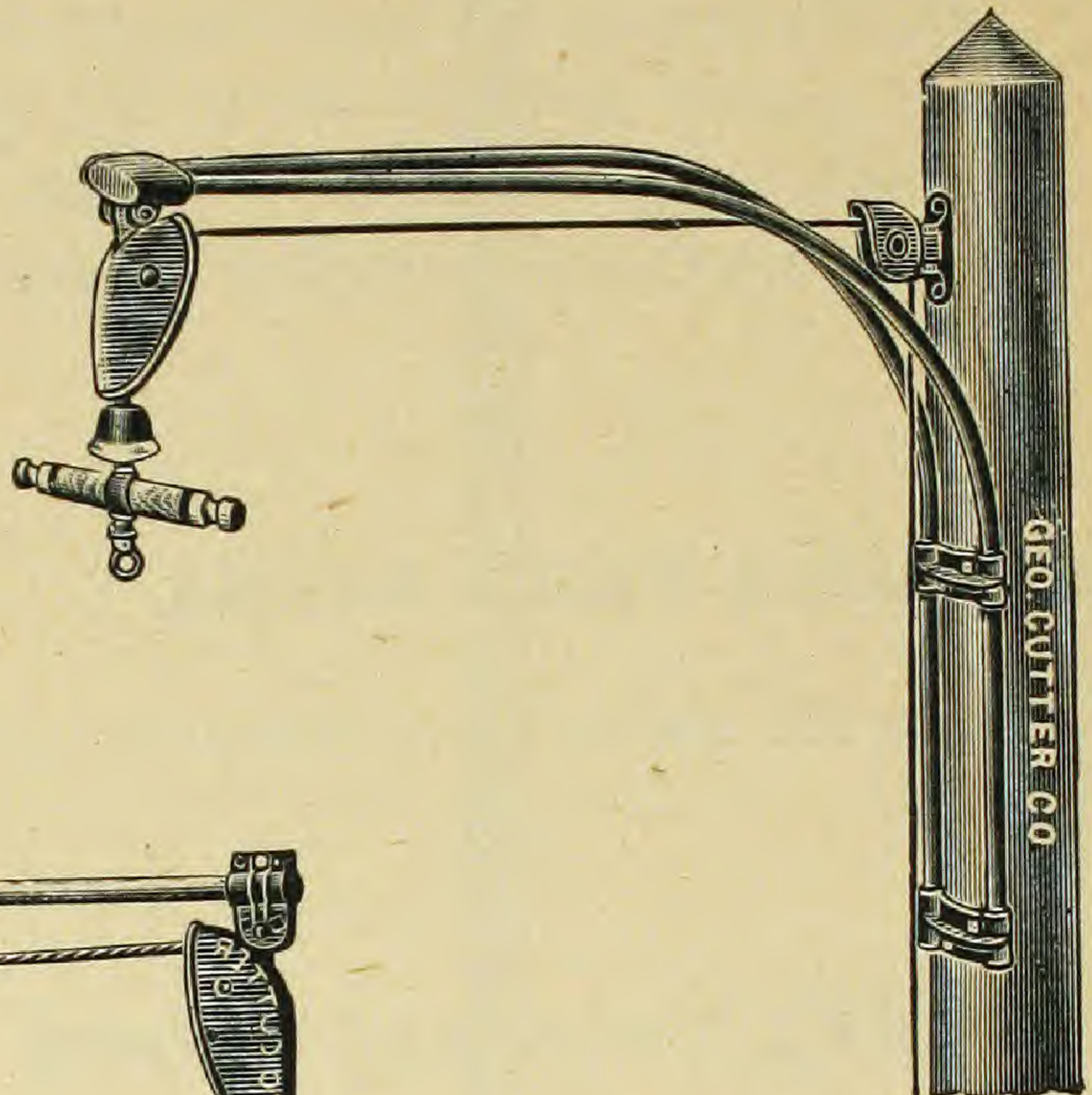
2 foot, with flat wall-plate.....(*Veteran*) \$2.10
6 foot, with flat wall-plate.....(*Veterinarian*) 2.30
2 foot, with curved pole-plate.....(*Veterinary*) 2.10
6 foot, with curved pole-plate(*Vestuvian*) 2.30

(For other lengths, add 7 cents per extra foot. For corner-plates add 20 cents to the above prices.) ..

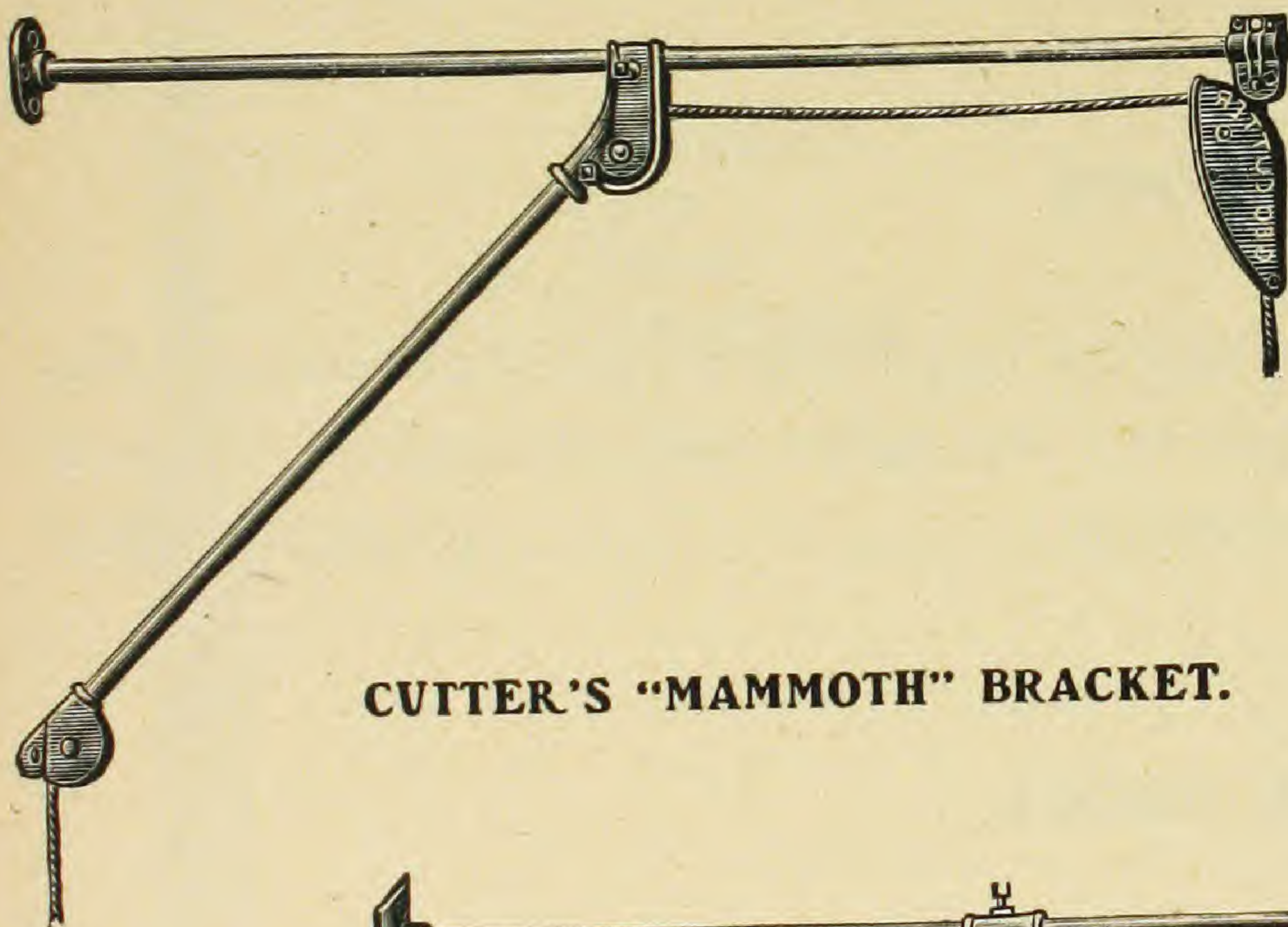
We make brackets with wrought iron ornamentation also. Want some?



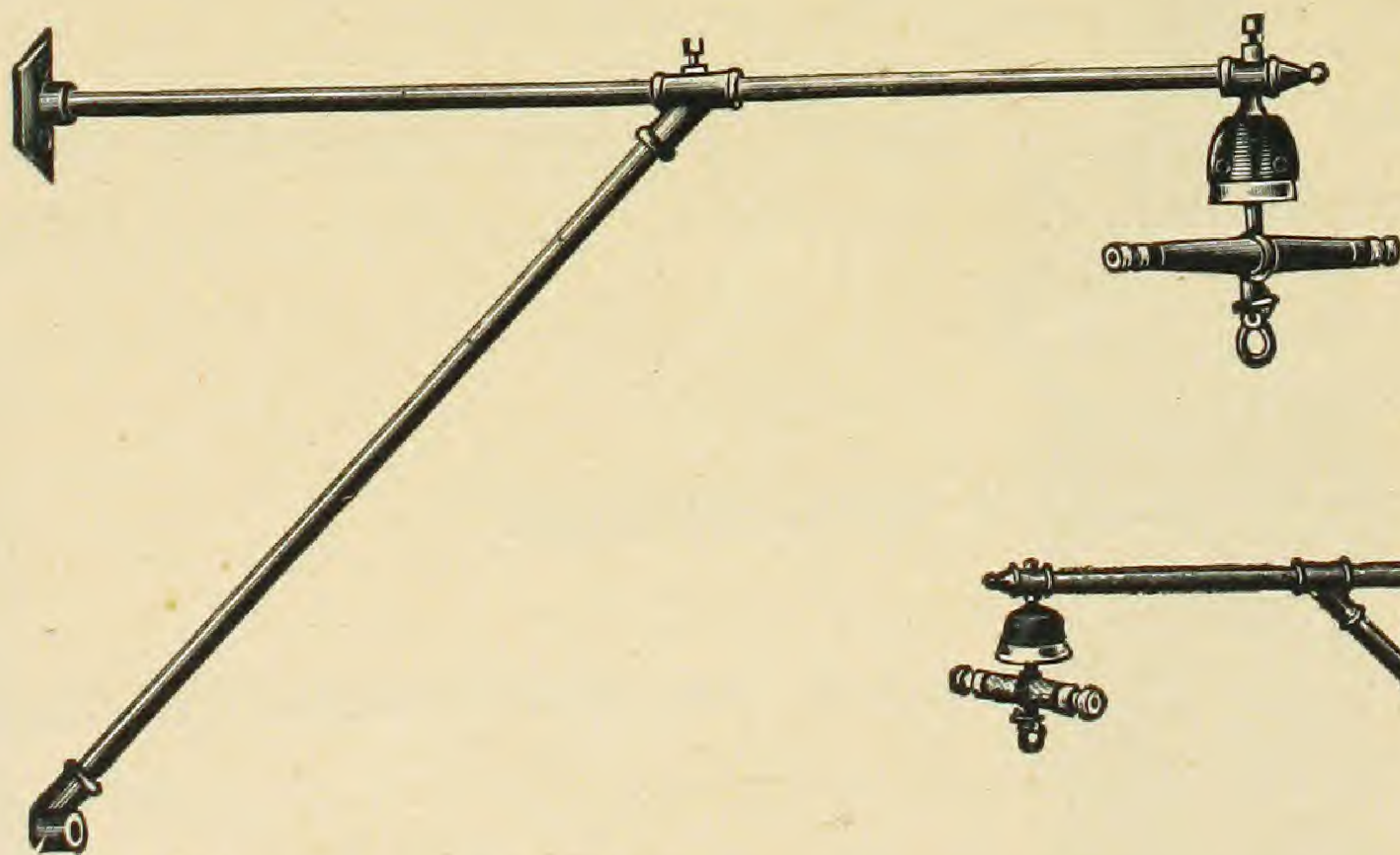
CUTTER'S SAFETY POLE FIXTURE.
"VESTIBULE."



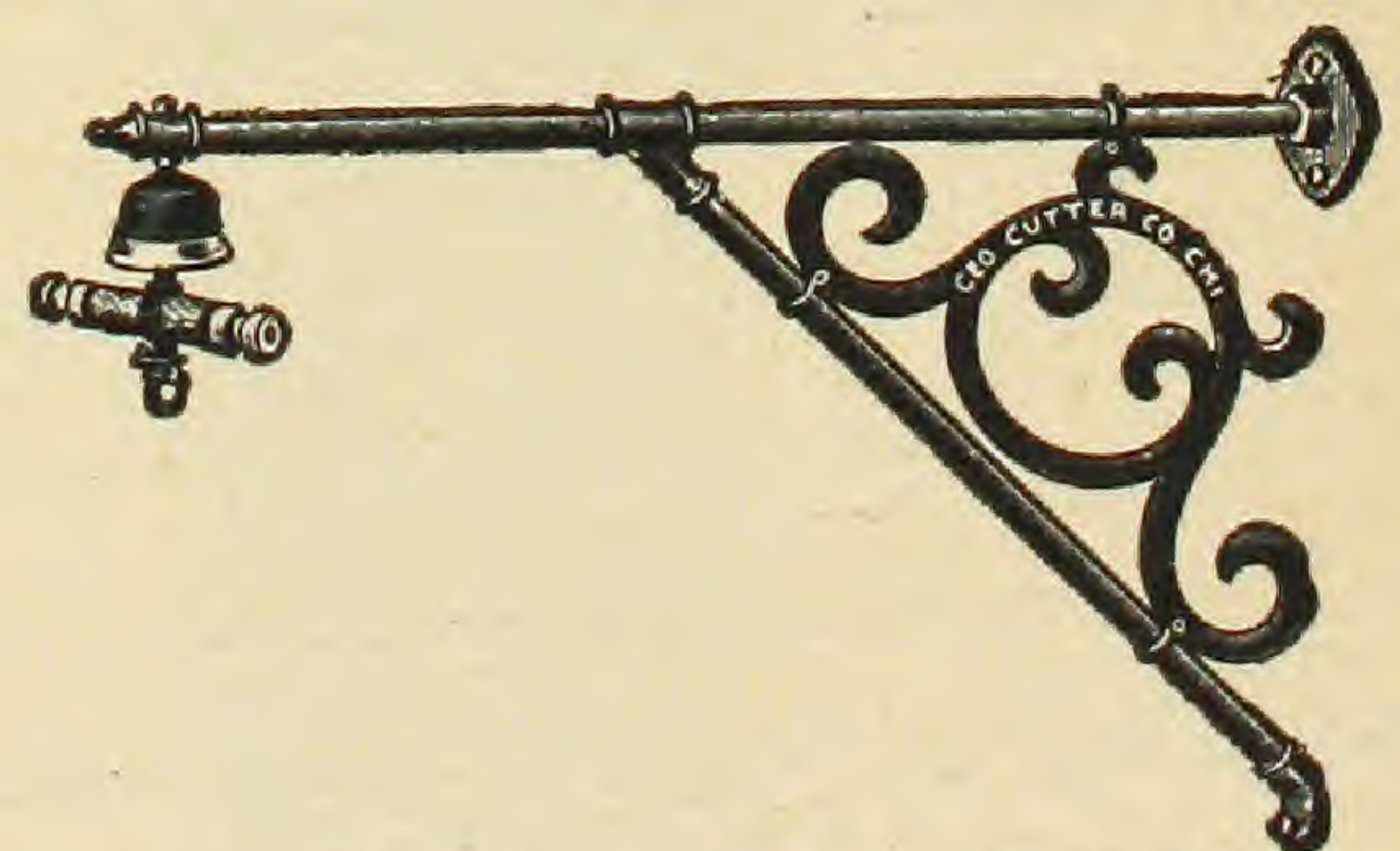
CUTTER'S
PULLEY POLE
FIXTURE.
"WEIGHING."



CUTTER'S "MAMMOTH" BRACKET.



CUTTER'S PLAIN ARC BRACKET.



CUTTER'S LODGE BRACKET.

CUTTER'S PARK CROOK

AN ornamental post fixture supporting a High Voltage Insulator 18 feet above the ground, making a light-weight fixture for use wherever the piping can be set down into the ground. The main piping extends 5 feet below the ground and is fitted with two pairs of anchor-plates which steady the fixture. Regularly made with the upright piping of 2½ inch bore, the bend of 1¼ inch bore and cast iron scroll ornamentation. The head-piece on the bend has porcelain bushings through which the wires are readily brought out to the lamp, while the High Voltage Insulator insulates the frame of the lamp from the fixture.

Cutter's Park Crook (complete as pictured, but not wired) (*Volatilize*) \$19.50

CUTTER'S PARK CRANE

Same as the above but without the ornamentation. (*Volatility*) \$17.50

CUTTER'S TWIN ARC CROOK

A SOMEWHAT similar fixture for supporting a pair of arc lamps. Has the same anchor arrangement, but lighter cast ornaments. Complete with High Voltage Insulators. (*Vacuity*) \$22.00

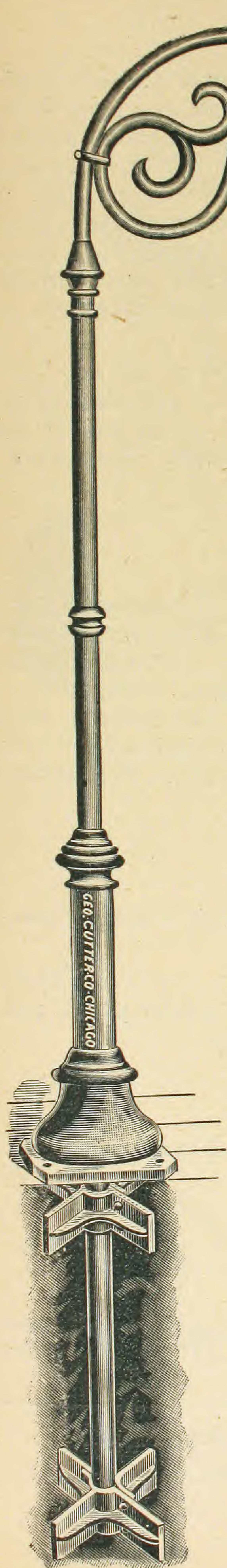
CUTTER'S TRIPLE ARC CROOK

Same as the "Twin Arc Crook" but with ornamented crooks for three arc lamps (*Vacuous*) \$24.50

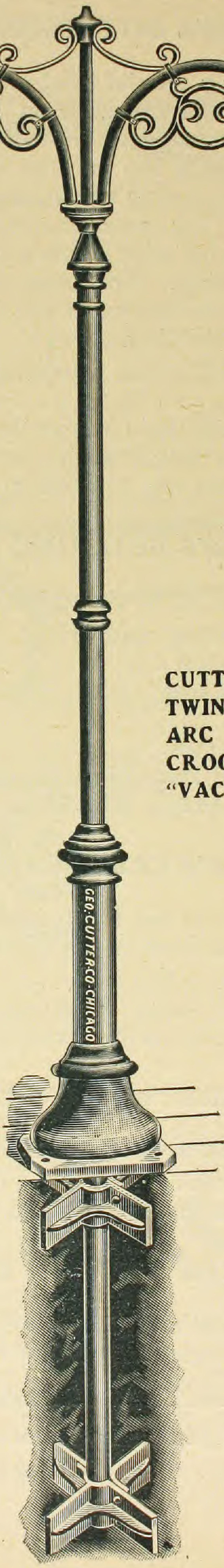
CUTTER'S QUADRUPLE ARC CROOK

Same as the "Twin Arc Crook" but with ornamented crooks for four arc lamps (*Vacuum*) \$27.00

Why try to "rig up" your own fixtures, when we can ship complete and well-designed ones promptly at the same cost to you—or less.



CUTTER'S
PARK
CROOK.
"VALATILIZE"



CUTTER'S
TWIN
ARC
CROOK.
"VACUITY."

CUTTER'S OUTRIGGER

HAS A special head-piece with cross-arm and with either Cutter's High Voltage Insulator or Cutter's Arc Insulator to insulate the lamp from the outrigger. (For descriptions, see pages 14 and 16.) This head-piece forms a cap for the wrought-iron outrigger, which can be shortened by removing the cap and cutting off the extra length.

The wood cross-arms carrying the line wire insulators are water-proofed with a baked enamel, and tipped with metal ferrules to prevent splitting. The inner one is supported by an adjustable sleeve, which can be clamped at any desired point, so as to clear signs or projections in the building.

Price, with 6-foot overhang and High Voltage Cross-Arm, as per cut
 (Welkin) \$1.50
 Same, with hard rubber bell insulator, for low voltages.... (Welsh) \$1.40
 (For longer forms, add 7 cents per extra foot of length. For corner-plates, add 10 cents to above prices.)

CUTTER'S BUILDING FIXTURE

SIMILAR to above, but without the inner guide-arm.

Price, 3-foot, with High Voltage Cross-Arm..... (Worldliness) \$1.00
 Same, 6-foot (Worldly) \$1.20
 Price, 3-foot, with Combination Cross-Arm, for low voltages
 (Wondrous) 0.90
 Same, 6-foot (Wondrously) 1.10
 (For longer forms, add 7 cents per extra foot of length. For corner-plates, add 10 cents to above prices.)

CUTTER'S CAST SCROLL BRACKET

A NEAT but low priced ornamental bracket with a High Voltage Cross-Arm fitted to the outer end.

Complete, 3-foot (Year) \$1.80
 (For longer forms, add 7 cents per extra foot. For corner plates, add 20 cents to the above prices.)

CUTTER'S "MANSION" BRACKET

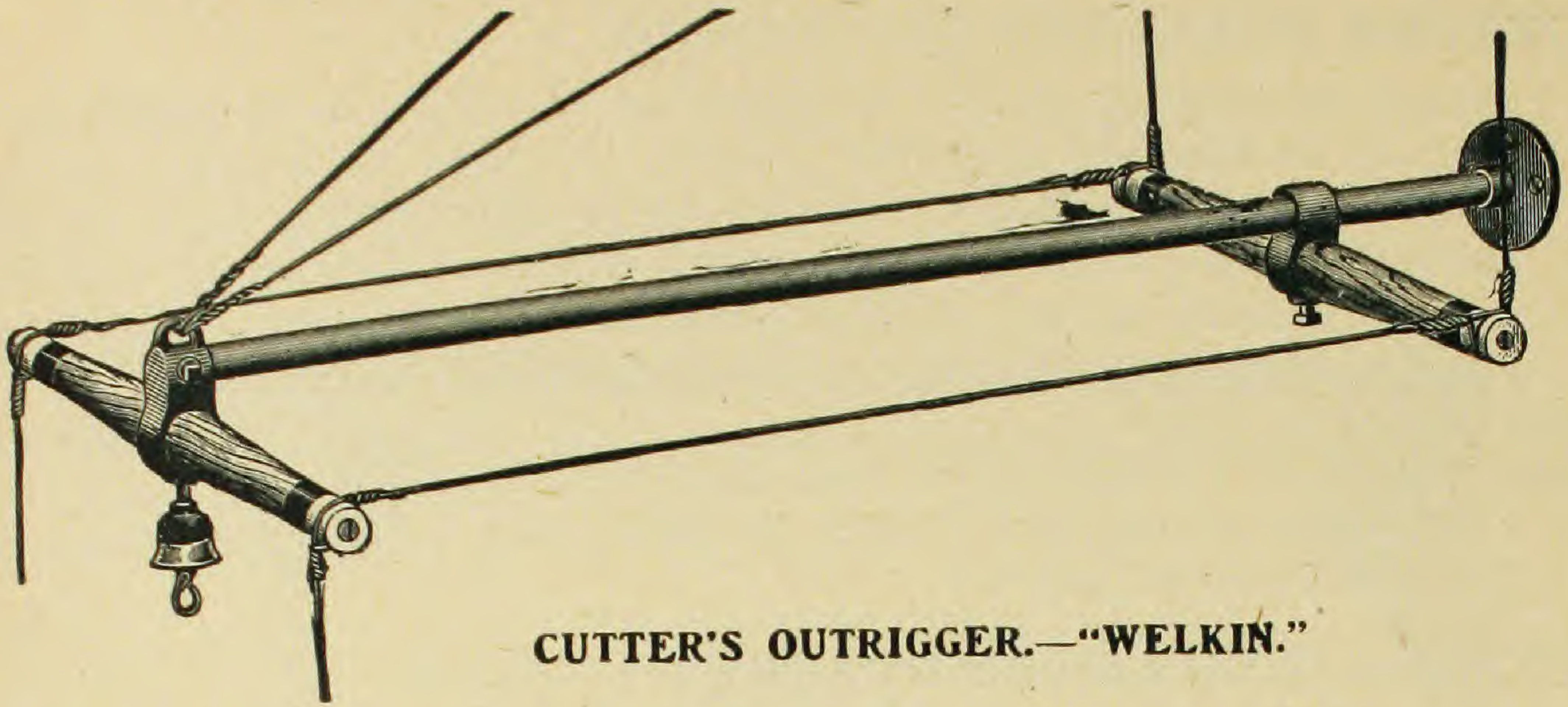
SAME as the Cast Scroll Bracket, but with additional wall ornaments.

3-foot (Veto) \$2.30
 (For longer sizes add 7 cents per extra foot.)

CUTTER'S STATION BRACKET

3 foot with High Voltage Cross-Arm..... (Voyager) \$2.00
 Same, 6-foot (with chains for guying the outer end)..... (Voyaging) 3.00

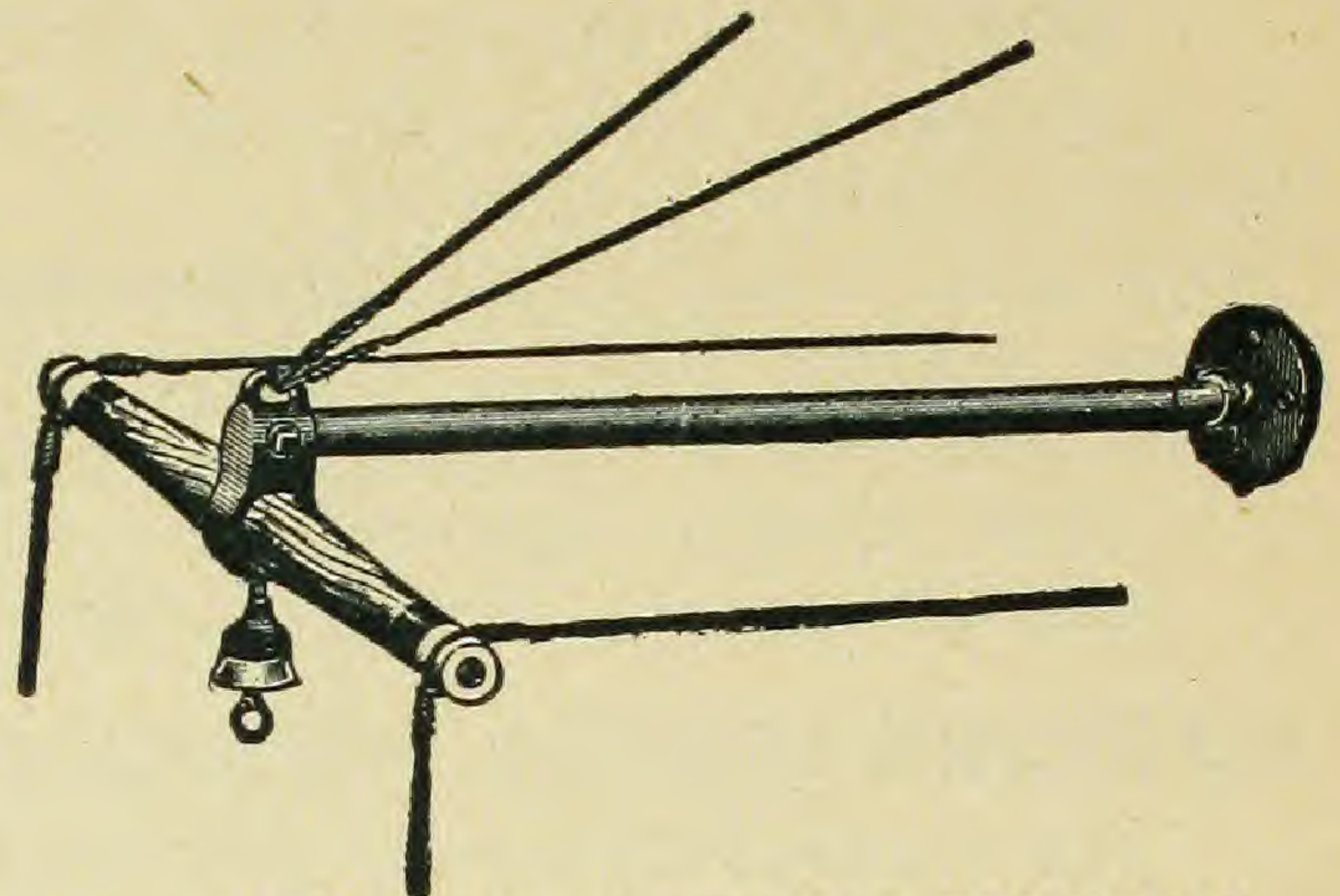
If you want the most practical and durable, see that you get
 "George Cutter's" Complete Outfits.



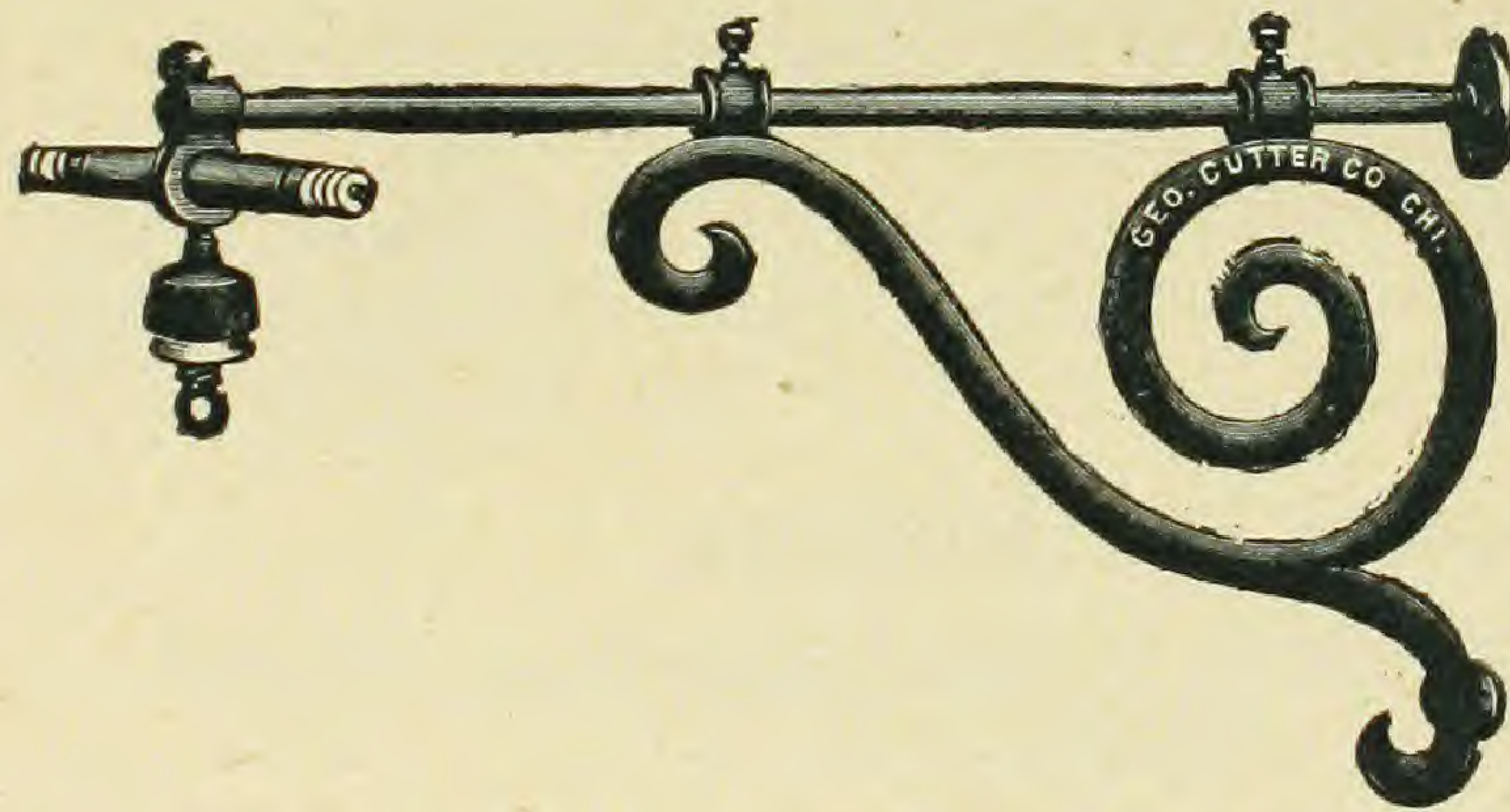
CUTTER'S OUTRIGGER.—"WELKIN."



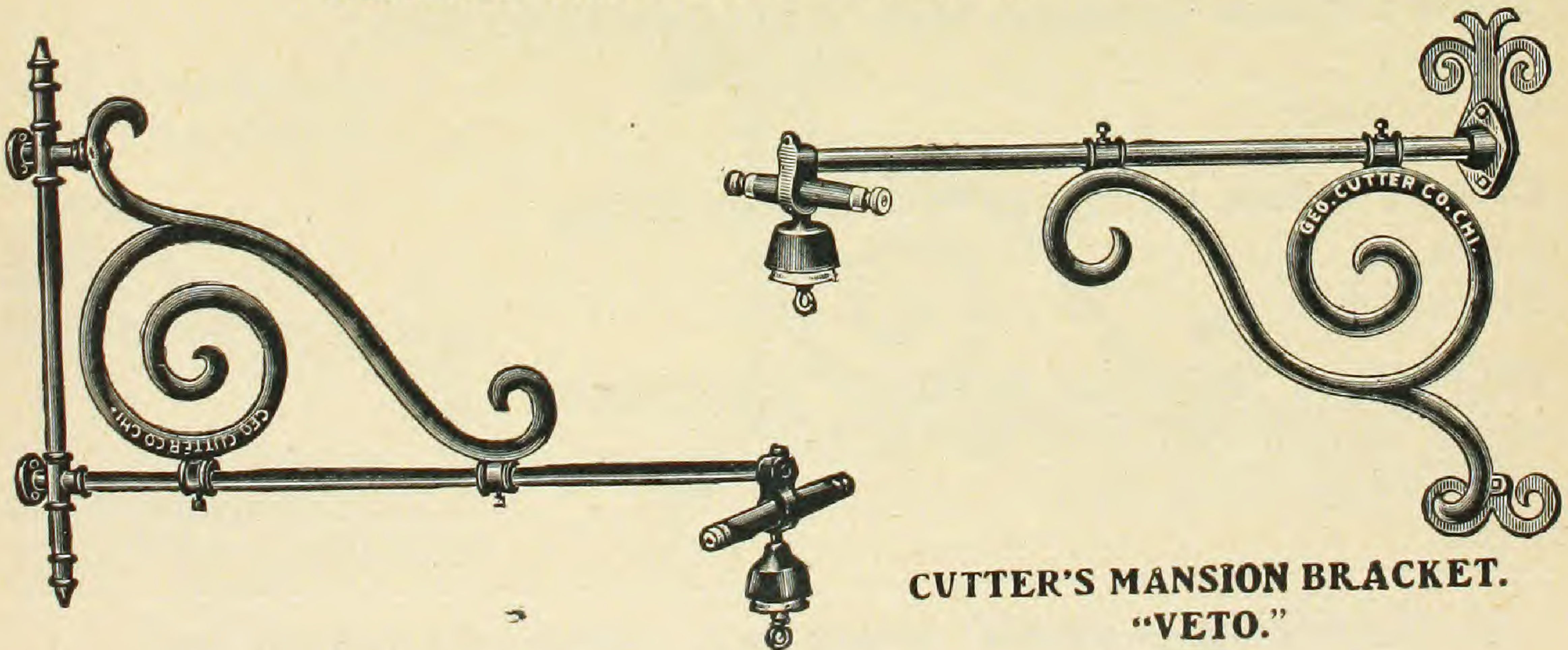
CORNER PLATE FOR
OUTRIGGERS.



CUTTER'S BUILDING FIXTURE.



CUTTER'S CAST SCROLL BRACKET.—"YEAR."



CUTTER'S MANSION BRACKET.
"VETO."

CUTTER'S STATION BRACKET.—"VOYAGER."

CUTTER'S PULLEYED OUTRIGGER

MEETS the demand for an outrigger for use high up on buildings, the lamp to be trimmed from the ground. Is fitted at its outer end with Cutter's Outrigger Pulley (which is lamp-supporting), while the inner end has a Cutter's Sleeve Pulley, which is also weather-proof, and which can be clamped at any desired point on the outrigger so as to clear projections in the building.

Price, complete, 6-foot (*Weevil*) \$1.50
 Same, with High Voltage Cross-Arm, fitted to pulley knob... (*Weazen*) 2.20
 (For longer forms, add 7 cents per extra foot. For corner-plates, add 10 cents to above prices.)

CUTTER'S INNER-ROPE BRACKET

HAS pulleys for lowering the lamp with a rope passing through the piping, the outer pulley being lamp-supporting.

6-foot, complete except rope (*Yellow*) \$2.00
 Same with Triple Insulation Arm fitted to Pulley knob ... (*Yellower*) 2.75
 3-foot, without rope (*Yoked*) 1.80
 Same with Triple Insulation Arm fitted to pulley knob... (*Yokable*) 2.55
 (Use $\frac{3}{8}$ -inch "Banner Core" Rope with the above. For corner plates, add 20 cents to the above prices.)

CUTTER'S SCROLL PULLEYED OUTRIGGER

AN ornamental fixture with inner weatherproof pulley and outer Lamp-Supporting pulley for lowering the lamp.

6-foot, complete except rope (*Yolk*) \$2.00
 Same with Triple Insulation Arm fitted to pulley knob..... (*Yokeless*) 2.75
 3-foot, without rope (*Yarrow*) 1.80
 Same with Triple Insulation Arm fitted to pulley knob.. (*Yardarm*) 2.55
 (Use $\frac{3}{8}$ or $\frac{1}{2}$ -inch "Banner Core" Rope with these outriggers. For corner plates, add 20 cents to the above prices.)

CUTTER'S PALACE OUTRIGGER

AN ornamented form of the Inner-Rope Bracket.

Complete except rope, 6-foot..... (*Valedict*) \$2.50
 Same, 3-foot (*Valentine*) 2.30

Cutter's Palace Outrigger with Triple Insulation Arm

6-foot (*Valediction*) \$3.25
 Same, 3-foot (*Valedictory*) 3.05

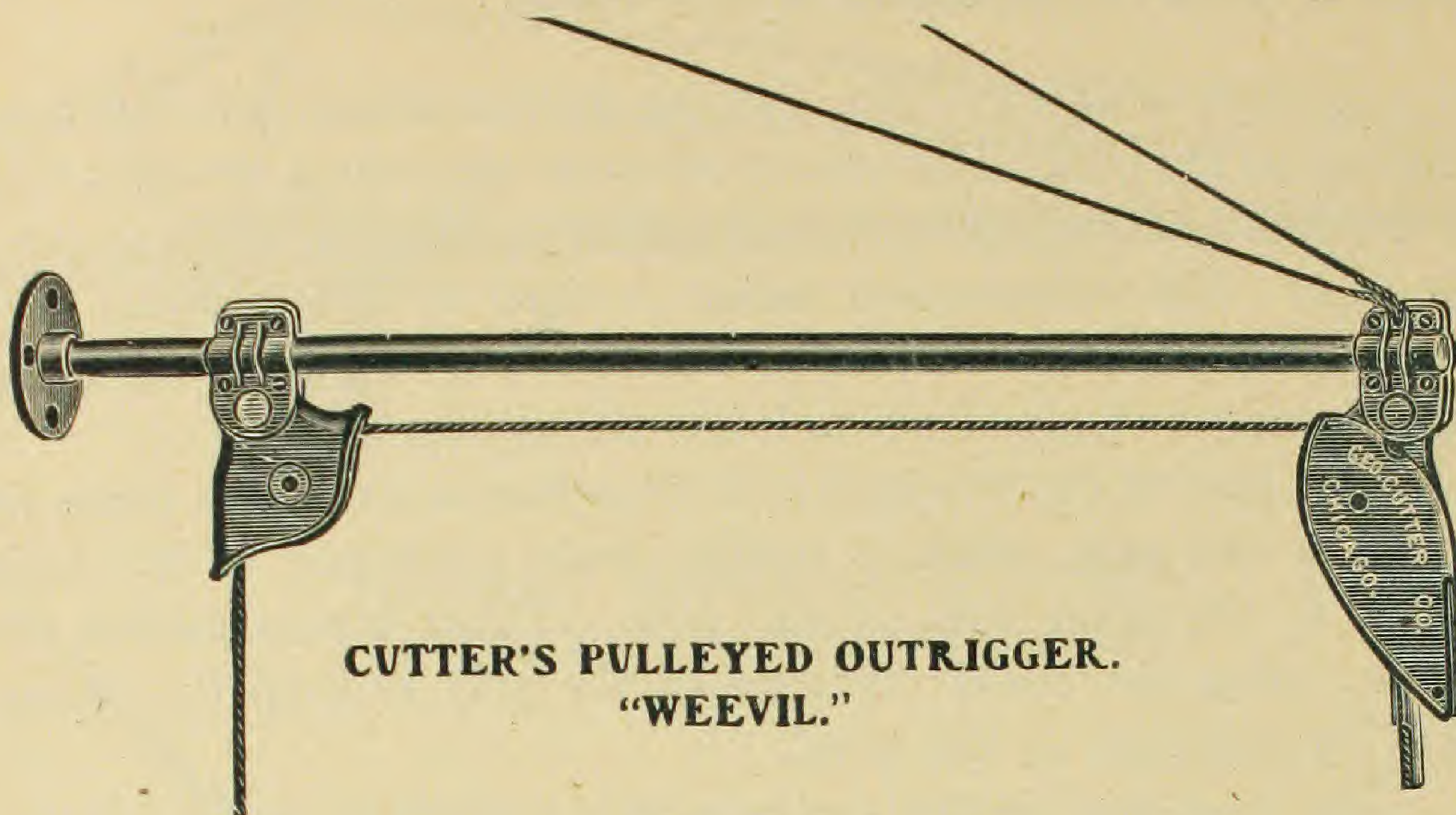
Cutter's Palace Outrigger with Cutout Pulley

6-foot (*Vesture*) \$6.70
 Same, 3-foot (*Vestry*) 6.50

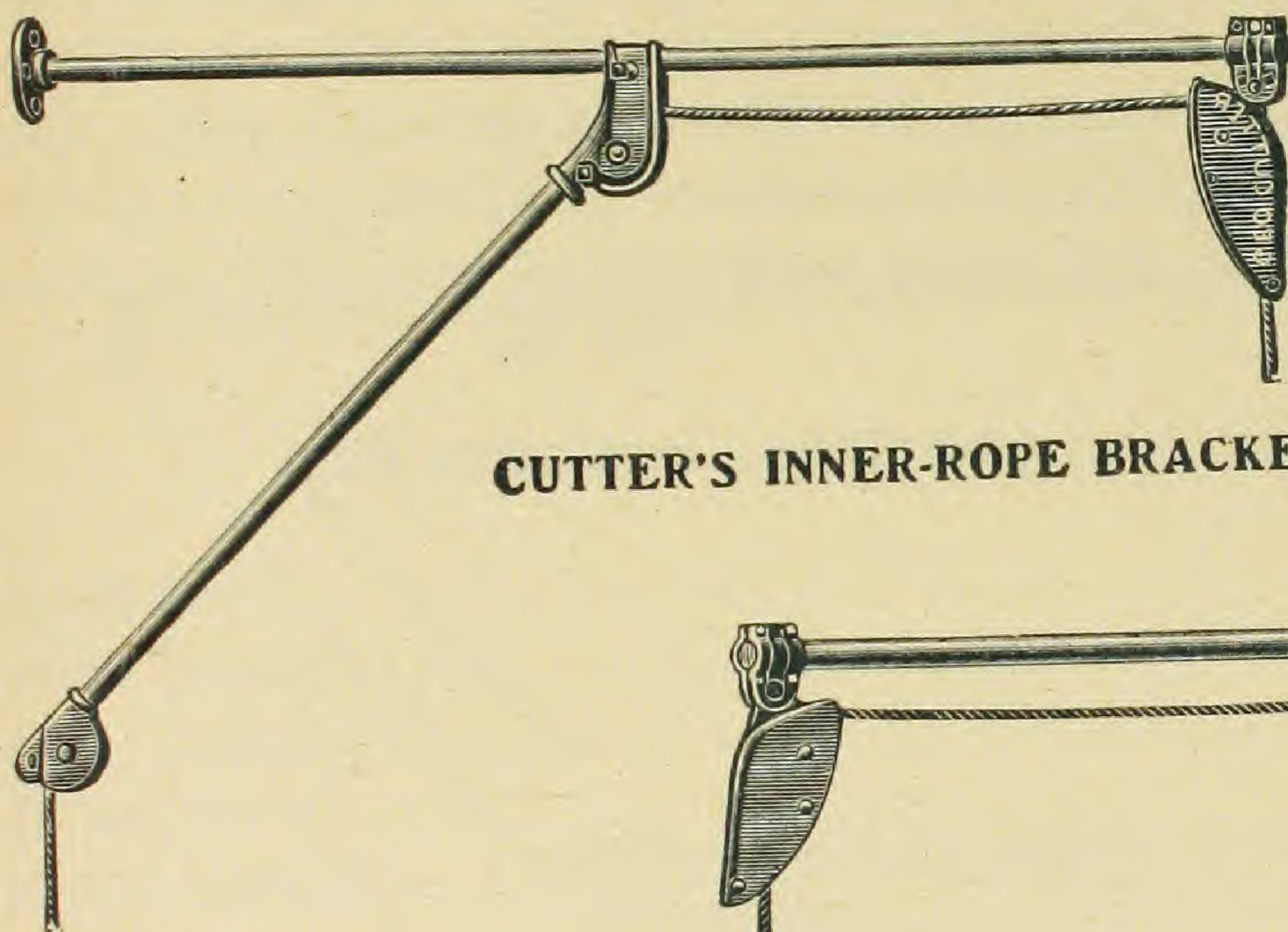
CUTTER'S "POWER-HOUSE" BRACKET

A SWINGING form of the "Station Bracket," 3-foot, complete with High Voltage Cross-Arm (*Voracious*) \$2.40

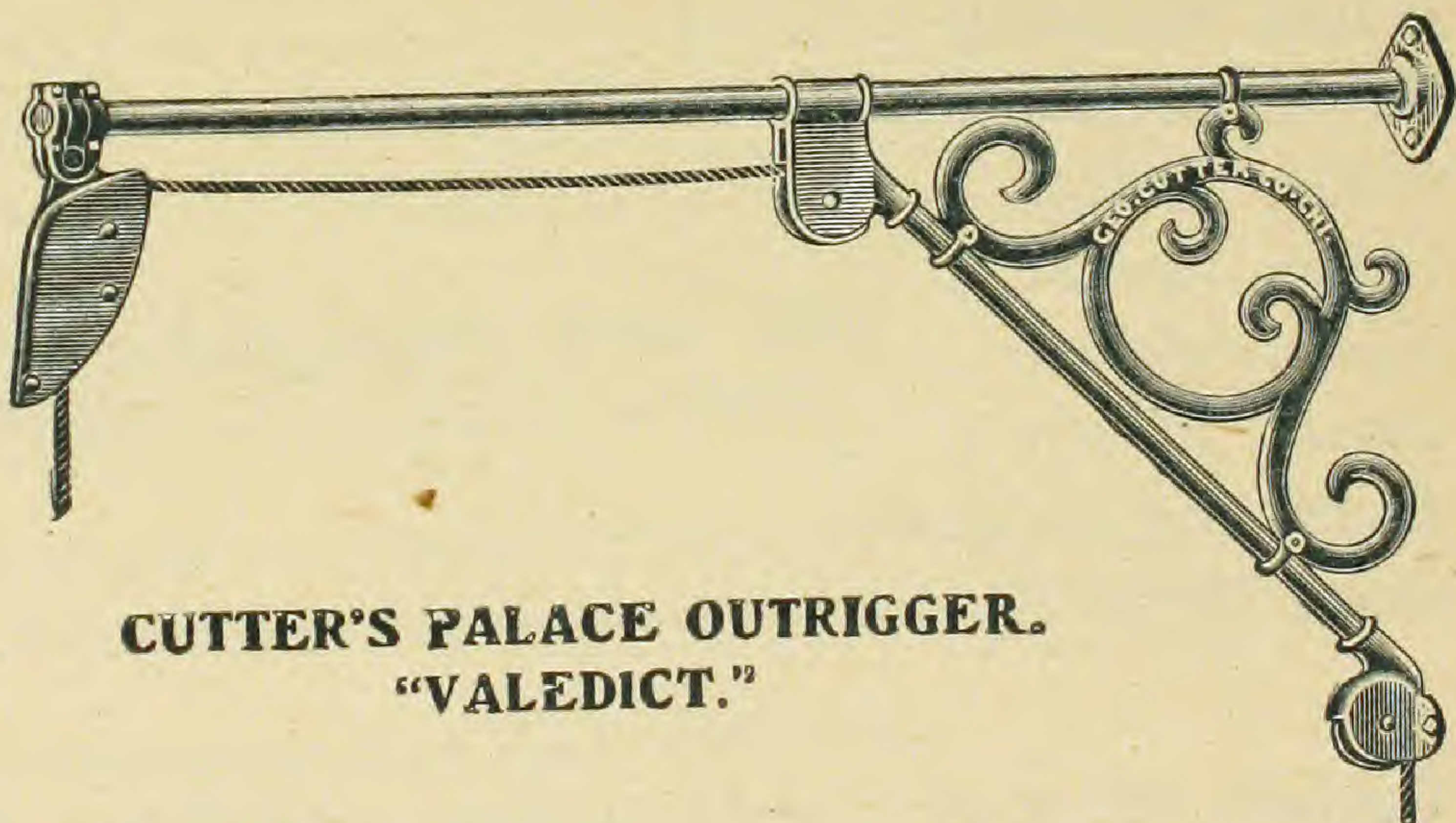
Specifying "Cutter's" means your getting the neatest and most complete fixtures.



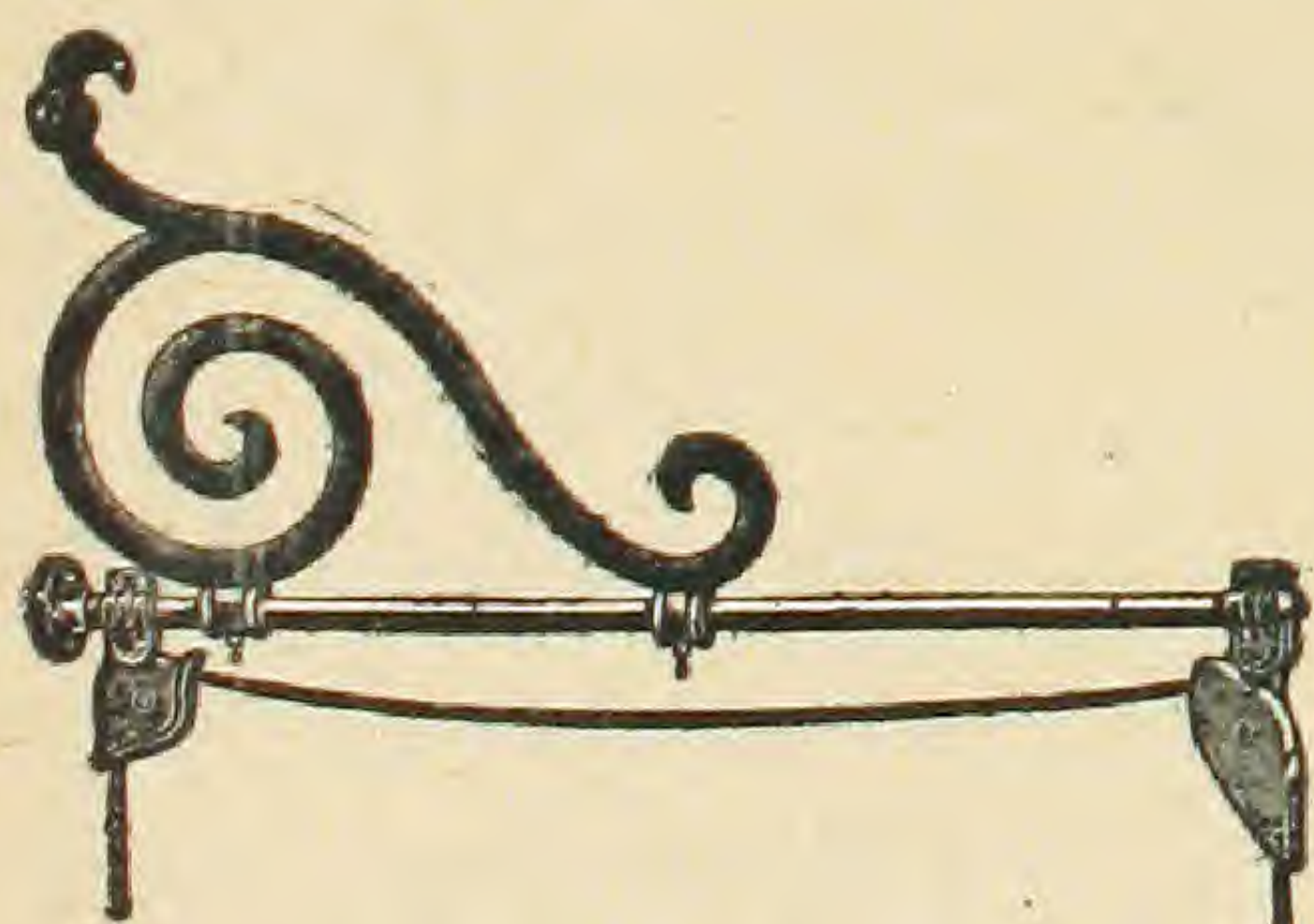
CUTTER'S PULLEYED OUTRIGGER.
"WEEVIL."



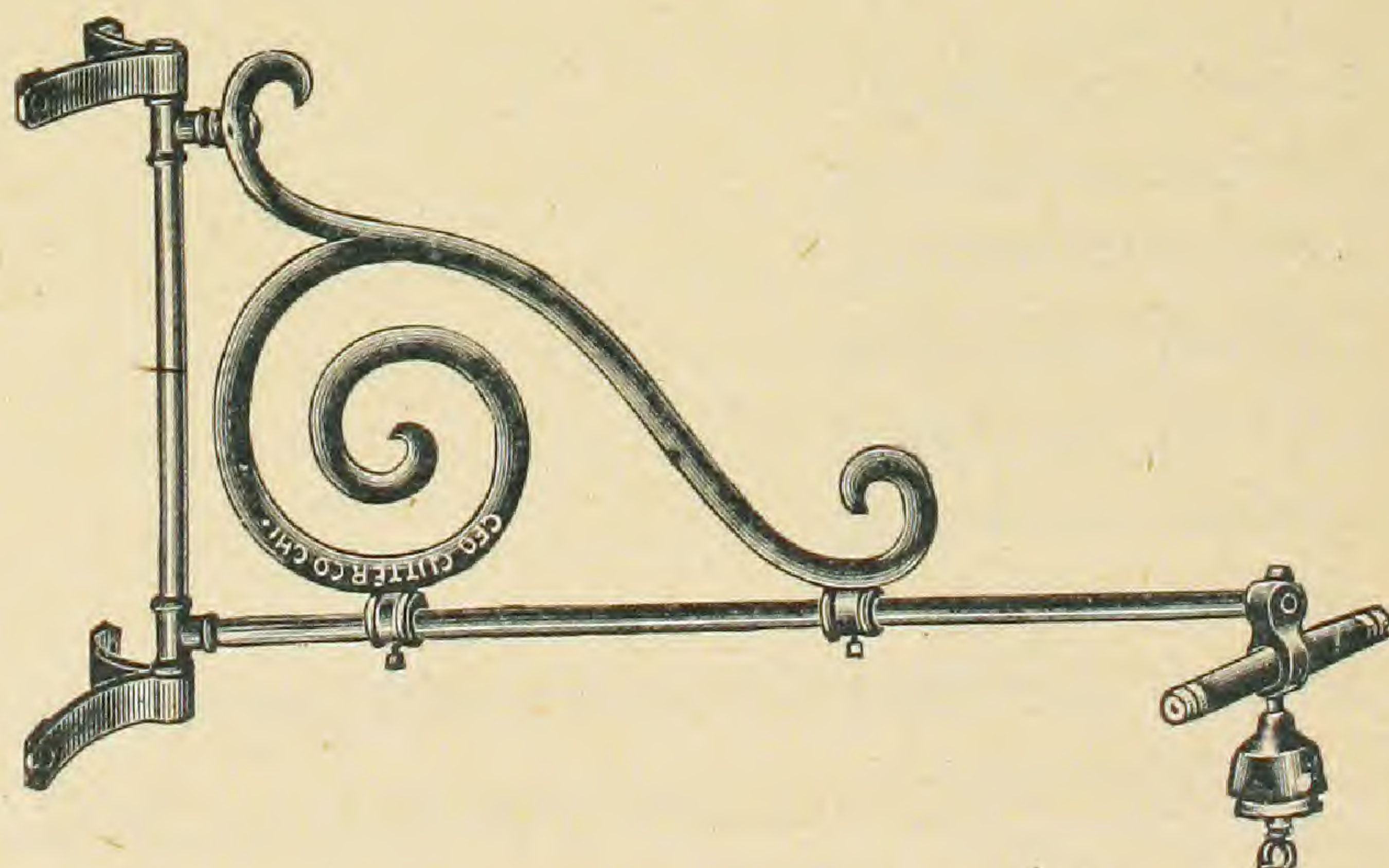
CUTTER'S INNER-ROPE BRACKET.—"YELLOW."



CUTTER'S PALACE OUTRIGGER.
"VALEDICT."



CUTTER'S SCROLL
PULLEYED OUTRIGGER.
"YOLK."



CUTTER'S "POWER HOUSE" BRACKET.
"VORACIOUS."

CUTTER'S WIND-BRACED MAST-ARM

IS THE only side mast-arm having braces to prevent the arm from rocking on the pole. Has two strain-rods run over a wrought iron truss at the pole and through eyes in a stiffening triangle half way out on the pipe. The combination makes a rigid fixture, with no give to it either downwards or sideways, thus avoiding the swaying found with arms having a single strain-rod over the piping.

The base of the wrought iron truss has an extension brace which is bolted to the pole, while a similar brace (clamped to the piping) is bolted to the other side of the pole. These braces anchor the pipe firmly, using the whole diameter of the pole to keep the piping from swaying sideways in the wind.

The mast-arm proper can be partly assembled on the ground, thus making it easy to erect. The tail rod is adjustable, while conveniently placed straps act like turnbuckles for tightening the strain-rods. The pole plate has a weatherproof pulley fastened to it, and the lamp-supporting pulley at the outer end makes this mast-arm unusually complete.

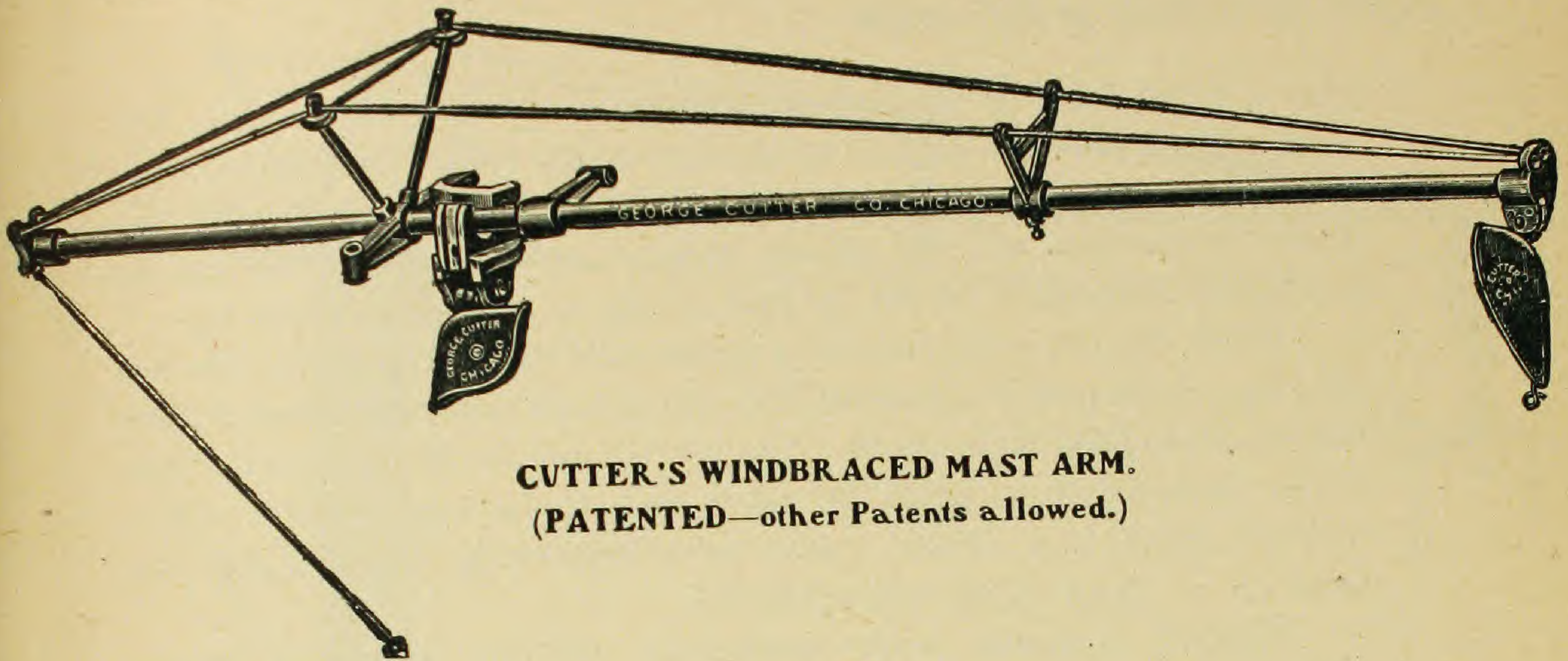
Cutter's Wind-Braced Mast-Arm with Triple Insulation Arm

8-foot overhang	.....	(<i>Vat</i>)	\$8.25
Same, 10-foot	.....	(<i>Vatican</i>)	8.75
Same, 12-foot	.....	(<i>Vaticinal</i>)	9.75
Same, 14-foot	.....	(<i>Vault</i>)	10.25
Same, 15-foot	.....	(<i>Vaulted</i>)	10.50
Same, 16-foot	.....	(<i>Vaulting</i>)	10.75
Same, 18-foot	.....	(<i>Vaultingly</i>)	11.25
Same, 20-foot	.....	(<i>Vaultable</i>)	11.75

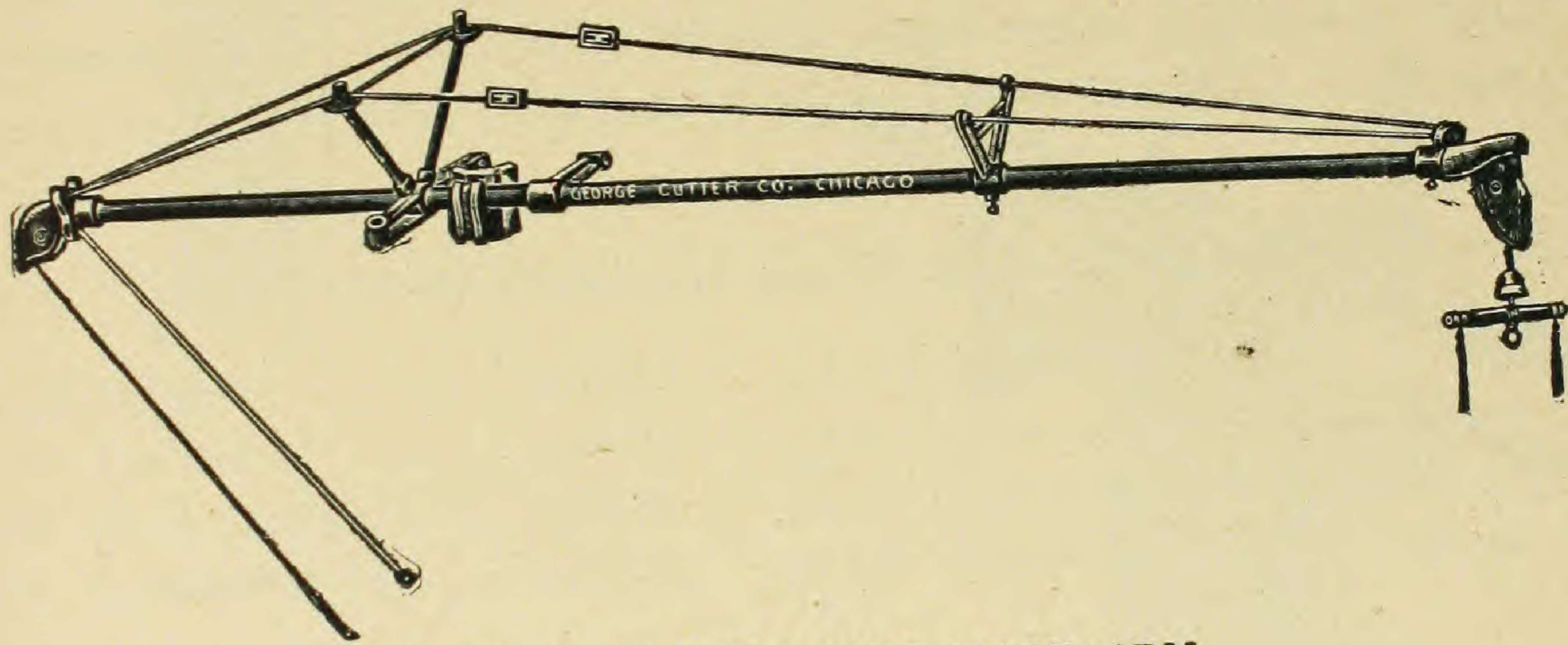
Cutter's Wind-Braced Mast-Arm with Clamp Knob only

8-foot overhang	.....	(<i>Windward</i>)	\$7.50
10-foot overhang	.....	(<i>Winsome</i>)	8.00
12-foot overhang	.....	(<i>Wintergreen</i>)	9.00
14-foot overhang	.....	(<i>Withal</i>)	9.50
15-foot overhang	.....	(<i>Withhold</i>)	9.75
16-foot overhang	.....	(<i>Withstand</i>)	10.00
18-foot overstand	.....	(<i>Witticism</i>)	10.50
20-foot overhang	.....	(<i>Wittingly</i>)	11.00

Why tolerate a single-braced arm when Cutter's Wind-braced Mast-Arm costs so little?



CUTTER'S WINDBRACED MAST ARM.
(PATENTED—other Patents allowed.)



CUTTER'S OVERHANGING MAST ARM.
(PATENTED—other Patents allowed.)

An extra well braced mast arm fitted with Cutter's Inner Rope Pulley (a lamp-supporting pulley) and Cutter's Tail Pulley, thus allowing the rope to run through the piping.

Cutter's Overhanging Mast Arm with Triple Insulation Arm.

8 foot overhang.....	(Vapid)	\$ 8.25
10 " ".....	(Vapidity)	8.75
12 " ".....	(Vapor)	9.75
14 " ".....	(Vaporate)	10.25
15 " ".....	(Vaporation)	10.50
16 " ".....	(Vaporize)	10.75
18 " ".....	(Vaporizing)	11.25
20 " ".....	(Vaporization)	11.75

Cutter's Overhanging Mast Arm—with Clamp-Knob Only.

8 foot overhang.....	(Viva)	\$7.50	15 foot overhang.....	(Vivification)	\$ 9.75
10 " ".....	(Vivific)	8.00	16 " ".....	(Viviperous)	10.00
12 " ".....	(Vivifying)	9.00	18 " ".....	(Vivified)	10.50
14 " ".....	(Vivacious)	9.50	20 " ".....	(Vivacity)	11.00

CUTTER'S TOP MAST-ARM

HAS a novel form of cap which requires no shaving of the pole, and which allows the mast-arm to be swung exactly to the desired direction. Has a wrought iron truss and a stiffening triangle, which, with the double strain-rods and the piping, make a rigid fixture. This can be completely assembled on the ground, hence is very easy to put up.

When up, the extra braces on either side of the cap utilize the full diameter of the pole in steadying the arm against swaying sideways, thus bracing it against high winds. One of the braces has a Cutter's Pole Pulley fastened to it, while the outer end of the arm is fitted with a Cutter's Mast-Arm Pulley (with lamp-supporting Clamp-Knob, see page 4).

Shipped complete with strain-rods, tail-rod, steadying braces, stiffening triangle, pulleys and straps for tightening the strain-rods. The 15-foot and longer forms have an extra center rod for supporting the pipe. (Same as shown on the Long Junior Arm page 45.)

Cutter's Top Mast-Arm with Triple Insulation Arm

8-foot	(Variety) \$ 8.25	15-foot	(Varlet) \$10.50
10-foot	(Varying) 8.75	16-foot	(Varnish) 10.75
12-foot	(Various) 9.75	18-foot	(Varnished) 11.25
14-foot	(Variously) 10.25	20-foot	(Varnishing) 11.75

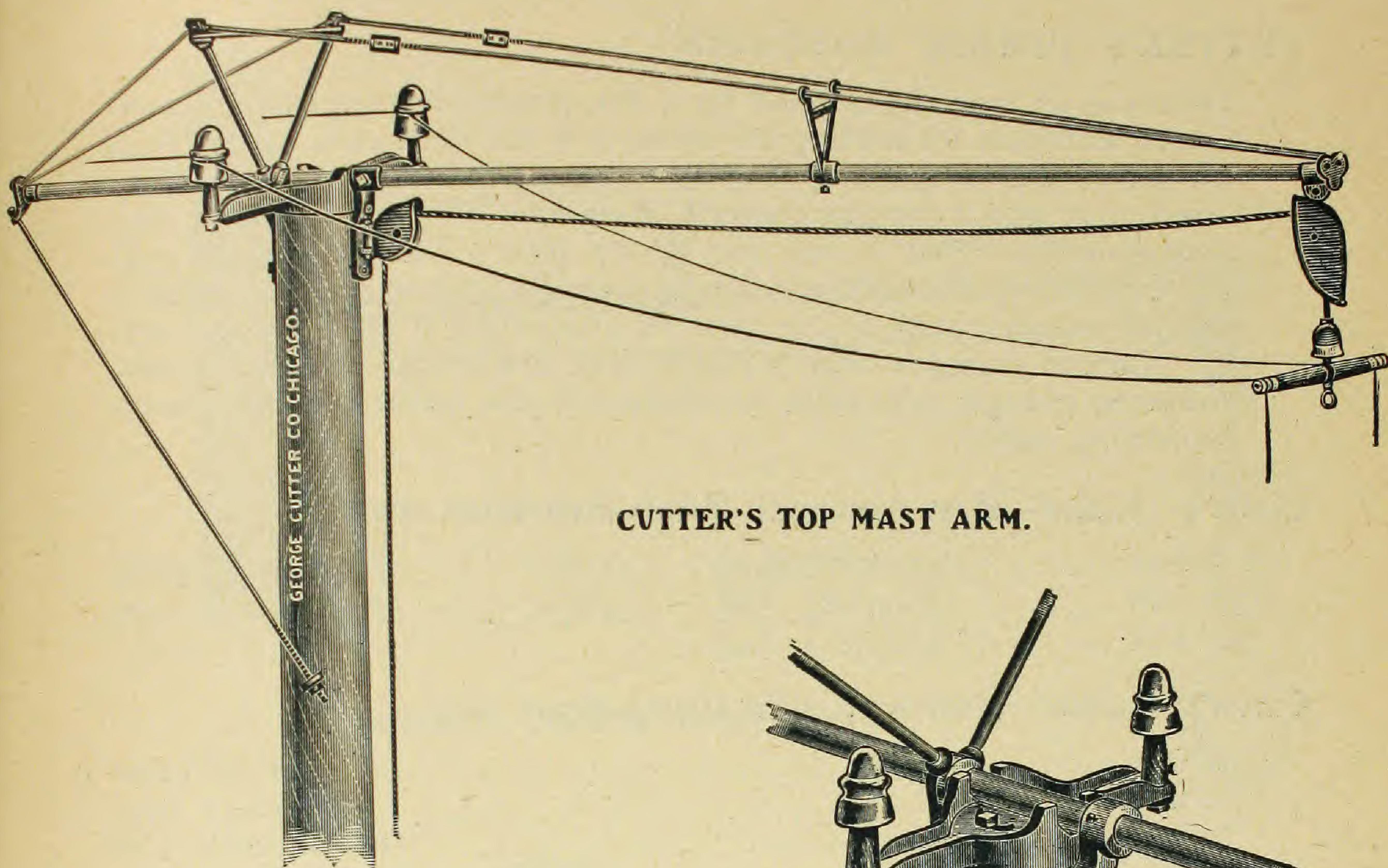
Cutter's Top Mast-Arm with Clamp Knob only

8-foot	(Workbox) \$7.50	15-foot	(Workshop) \$ 9.75
10-foot	(Workhouse) 8.00	16-foot	(Wormwood) 10.00
12-foot	(Workman) 9.00	18-foot	(Worship) 10.50
14-foot	(Workmanship) 9.50	20-foot	(Worsted) 11.00

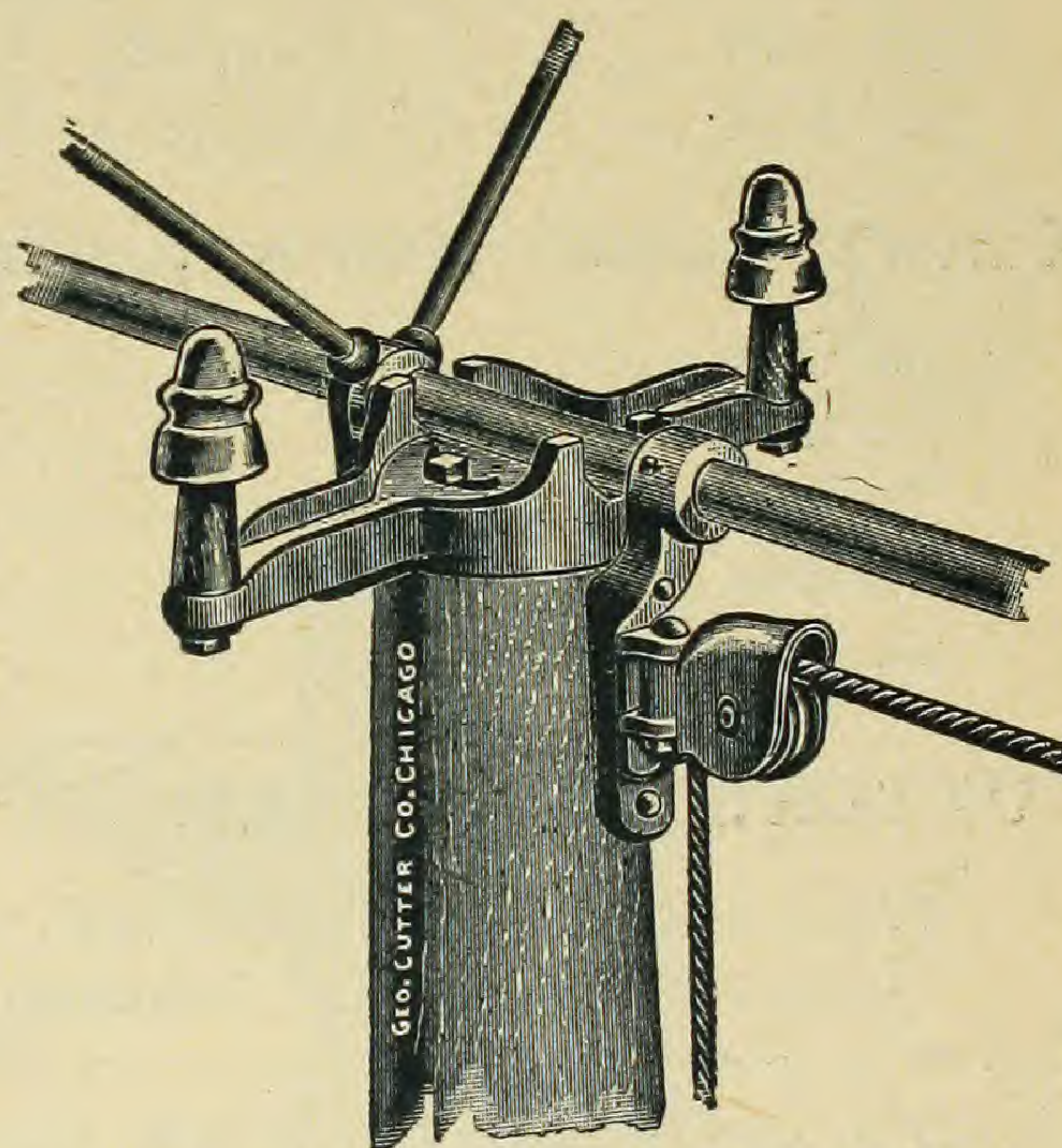
CUTTER'S STANDARD MAST-ARM

THE mast arm which set the pace ten years ago, and from which Cutter's Windbraced Mast Arm was developed. Now superseded by the latter, which is still firmer and more easy to put up, but old customers can still be supplied with the Standard Mast Arm at the same prices as the new (Windbraced) type.

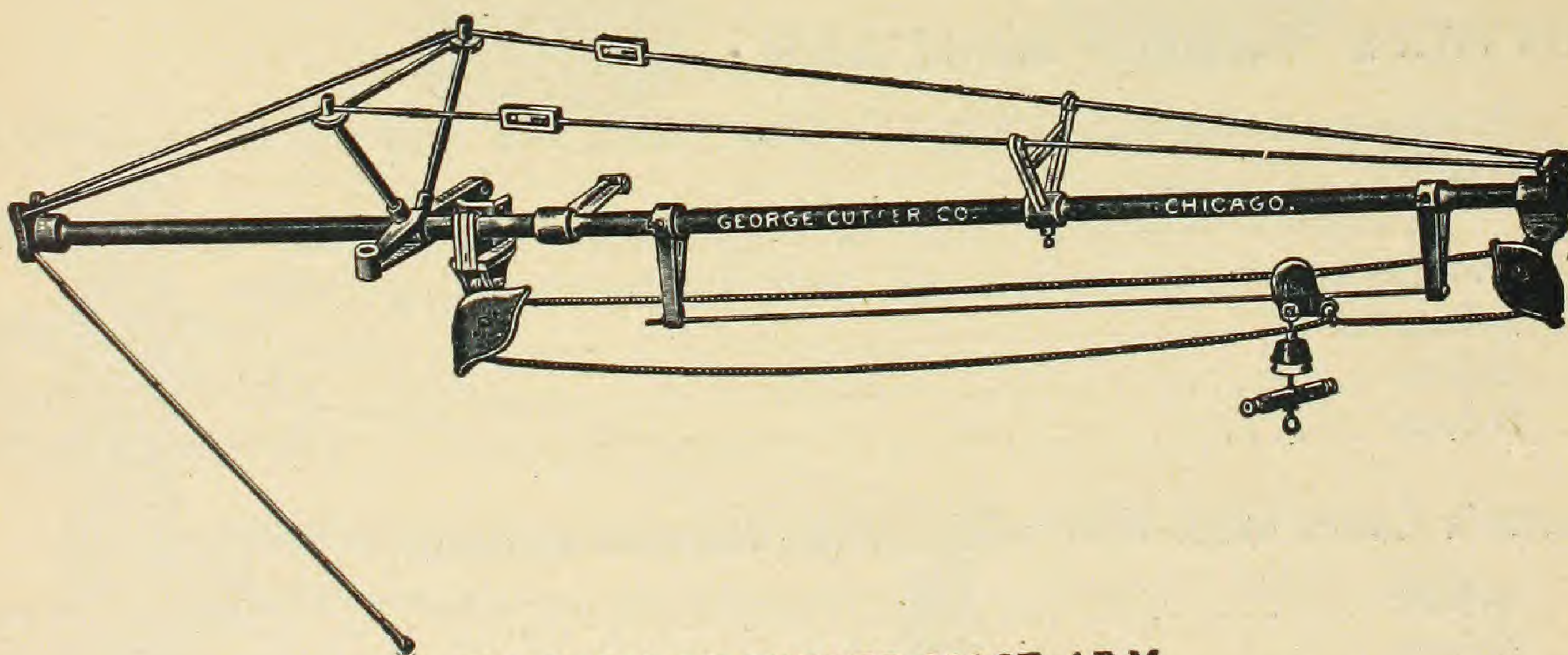
For easy erection, quick alignment and firmness when up, Cutter's
Top-Mast-Arm has no equal.



CUTTER'S TOP MAST ARM.



DETAIL OF CENTER PART.



CUTTER'S TRAVELER MAST ARM.

A WIND-BRACED mast arm with traveler attachment allowing the lamp to be trimmed from the pole.

15-foot overhang, without rope, but with Triple Insulation Arm (as per cut).....	(Yell)	\$11.00
Same, with 18-foot overhang.....	(Yelping)	11.75
Same, with 20-foot overhang.....	(Yelper)	12.25

CUTTER'S "JUNIOR" MAST-ARM

DESIGNED to meet the demand for a low-priced yet complete and well-braced mast-arm for holding arc lamps 6, 8, 10, 12 or even 14 feet from the pole. Has a special pole plate with a weatherproof pulley fitted direct to it and a regular Cutter's Mast-Arm Pulley (with lamp-supporting knob) fitted to the end of the pipe. Two steel strain-rods run from this to the ends of a strong wrought-iron strain-arm, which is shipped complete with a pole plate for supporting it firmly on the pole.

Shipped complete with wrought-iron strain-arm, steel strain-rods, stiffening triangle, pole plate, weatherproof pole pulley and outer lamp-supporting pulley.

Cutter's "Junior" Mast-Arm with Triple Insulation Arm

6-foot	..... (Vegetable)	\$4.65	12-foot	..... (Vegetating)	\$5.85
8-foot	..... (Vegetal)	5.05	14-foot	..... (Vegetation)	6.25
10-foot	..... (Vegetater)	5.45			

Cutter's "Junior" Mast-Arm with Clamp-Knob only

6-foot	.....	(Web)	\$3.90
8-foot	.....	(Webbed)	4.30
10-foot	.....	(Webfooted)	4.70
12-foot	.....	(Wedding)	5.10
14-foot	.....	(Wedlock)	5.50

CUTTER'S STRAIN ARM

WROUGHT iron, complete with pole plate. Furnished free with Cutter's "Junior" and "Cadet" Mast-Arms.

Cutter's Strain Arm	.....	(Woollen)	\$0.60
Cutter's Double-Braced Strain Arm (as used with Cutter's "Long Junior" Mast Arms. See description, page 44)...	.....	(Woolly)	1.00

CUTTER'S "CADET" MAST-ARM

SIMILAR to Cutter's "Junior" Mast Arm but without the stiffening triangle.

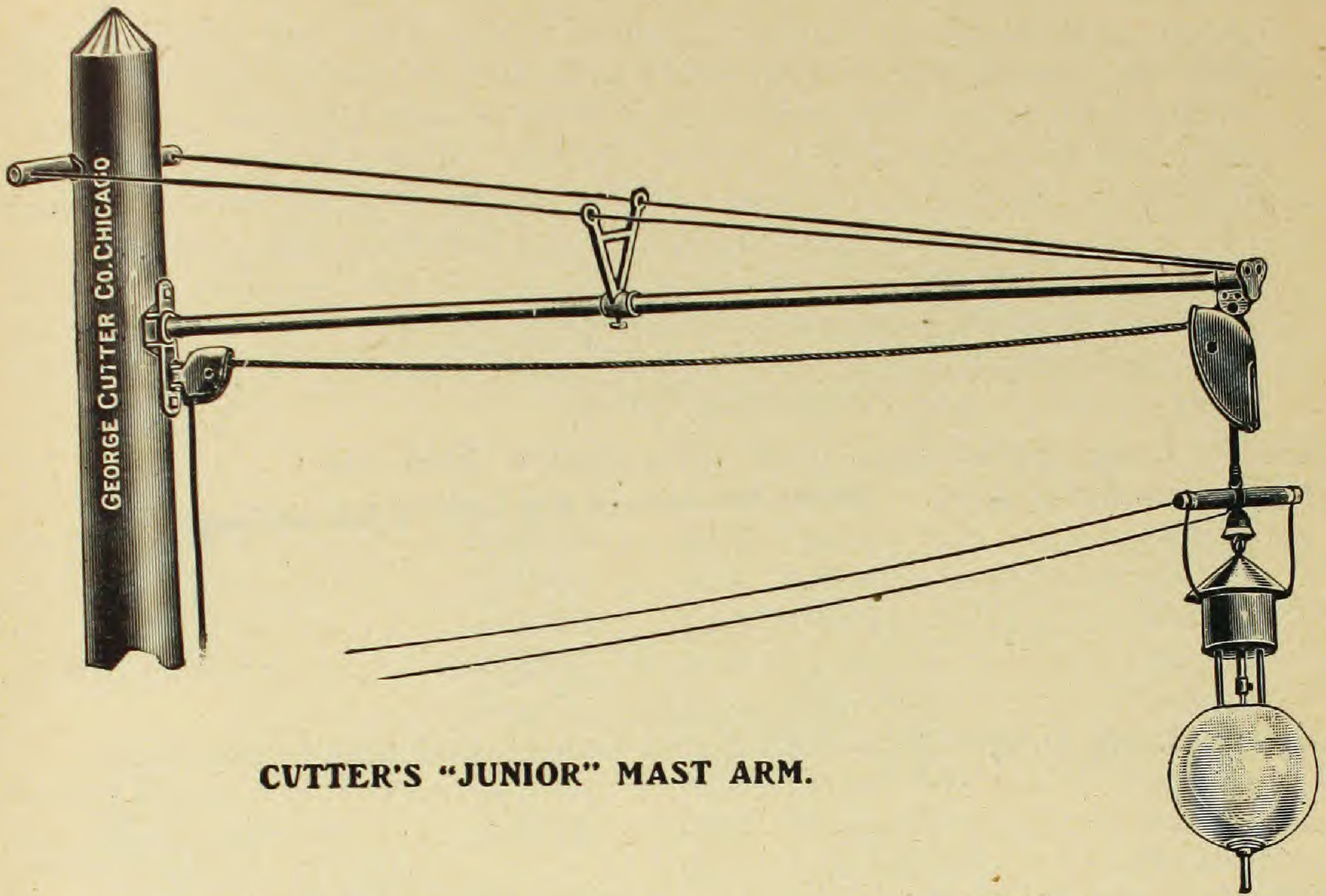
Shipped complete with wrought iron strain arm, strain rods, weatherproof pole pulley and outer lamp-supporting pulley.

4-foot	.....	(Weep)	\$3.00
6-foot	.....	(Weeper)	3.40
8-foot	.....	(Weeping)	3.80

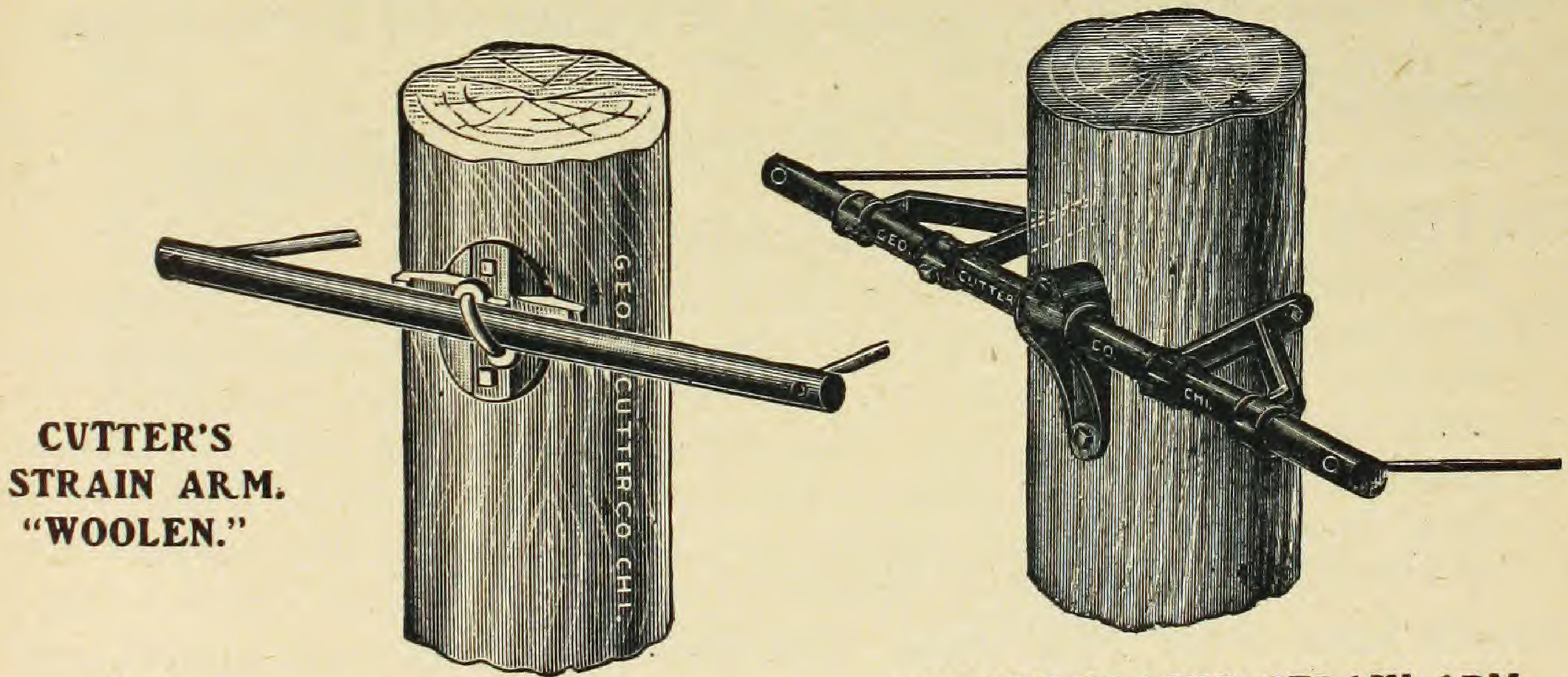
Cutter's Cadet Mast-Arm with Triple Insulation Arm

4-foot	.....	(Vagary)	3.75
6-foot	.....	(Vagarize)	4.15
8-foot	.....	(Vagarizing)	4.55

Use Cutter's $\frac{3}{8}$ -inch (or $\frac{1}{2}$ -inch) "Banner Core" Rope, or Cutter's "Ebony" Wire Rope with the above.

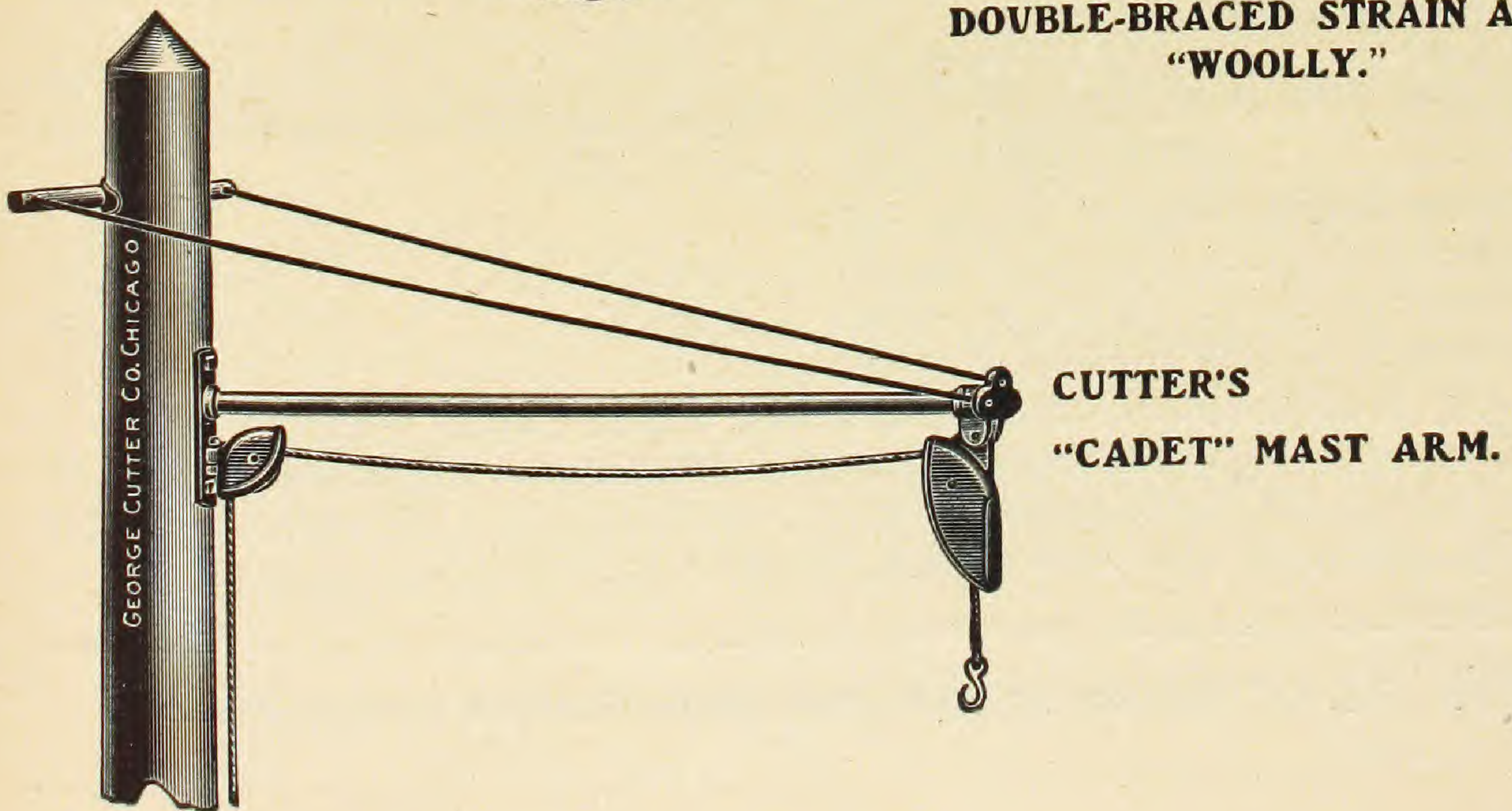


CUTTER'S "JUNIOR" MAST ARM.



CUTTER'S
STRAIN ARM.
"WOOLEN."

DOUBLE-BRACED STRAIN ARM.
"WOOLLY."



CUTTER'S
"CADET" MAST ARM.

CUTTER'S "LONG JUNIOR" ARM

SIMILAR in design to Cutter's "Junior" Mast-Arm (see page 43), but with our patent side-braced strain arm and an extra support for the center of the pipe. The strain arm is made of wrought iron pipe (longer than that furnished with Cutter's "Junior" Mast-Arm), and has stiffening braces clamped to the pipe. These braces, when bolted to the sides of the pole, greatly increase the strength of the strain arm, and also keep it from rocking on the pole when high winds tend to sway the whole fixture. Shipped complete with double-braced strain arm, three strain rods, stiffening triangle, weatherproof pulley fastened to pole plate, and outer Cutter's Lamp-Supporting Pulley.

Cutter's Long Junior Arm with extra Center Rod and Triple Insulation Arm

Center Rod included only with 14 foot and longer arm

6-foot (Veal) \$5.05	15-foot (Veiling) \$7.05
8-foot (Vedette) 5.45	16-foot (Vehemence) 7.25
10-foot (Veer) 5.85	18-foot (Vehement) 7.75
12-foot (Veering) 6.25	20-foot (Vehemently) 8.25
14-foot (Veiled) 6.85	

Cutter's Long Junior Arm with Extra Center Rod and Clamp-Knob

14-foot (Wolfish) \$6.10	18-foot (Womanish) \$7.00
15-foot (Woman) 6.30	20-foot (Womankind) 7.50
16-foot (Womanly) 7.00	

Cutter's Long Junior Arm without center rod but with Double braced Strain Arm and Clamp-Knob

6-foot (Vesicate) \$4.30	10-foot (Vestigation) \$5.10
8-foot (Vesticating) 4.70	12-foot (Vesicatory) 5.50

CUTTER'S INNER-ROPE MAST ARM

Designed to meet the demand for a mast-arm which would allow the rope to pass through the piping. Has the inner pulley built as part of the pole plate, and a Cutter's Inner-Rope Pulley (See page 6) at the outer end of the mast arm. The shorter lengths have the same strain arm at the back of the pole as used with Cutter's "Junior" Mast-Arm (see page 43), while the longer ones have a double braced strain arm and extra center support. (Same as used with "Long Junior" Arm.)

Cutter's Inner-Rope Mast Arm, with Regular Strain Arm and Clamp-Knob only

6-foot (Womanhood) \$3.90	12-foot (Wooing) \$5.10
8-foot (Wolf) 4.30	14-foot (Woodchuck) 5.50
10-foot (Wolverine) 4.70	

Same with Double-Braced Strain Arm.

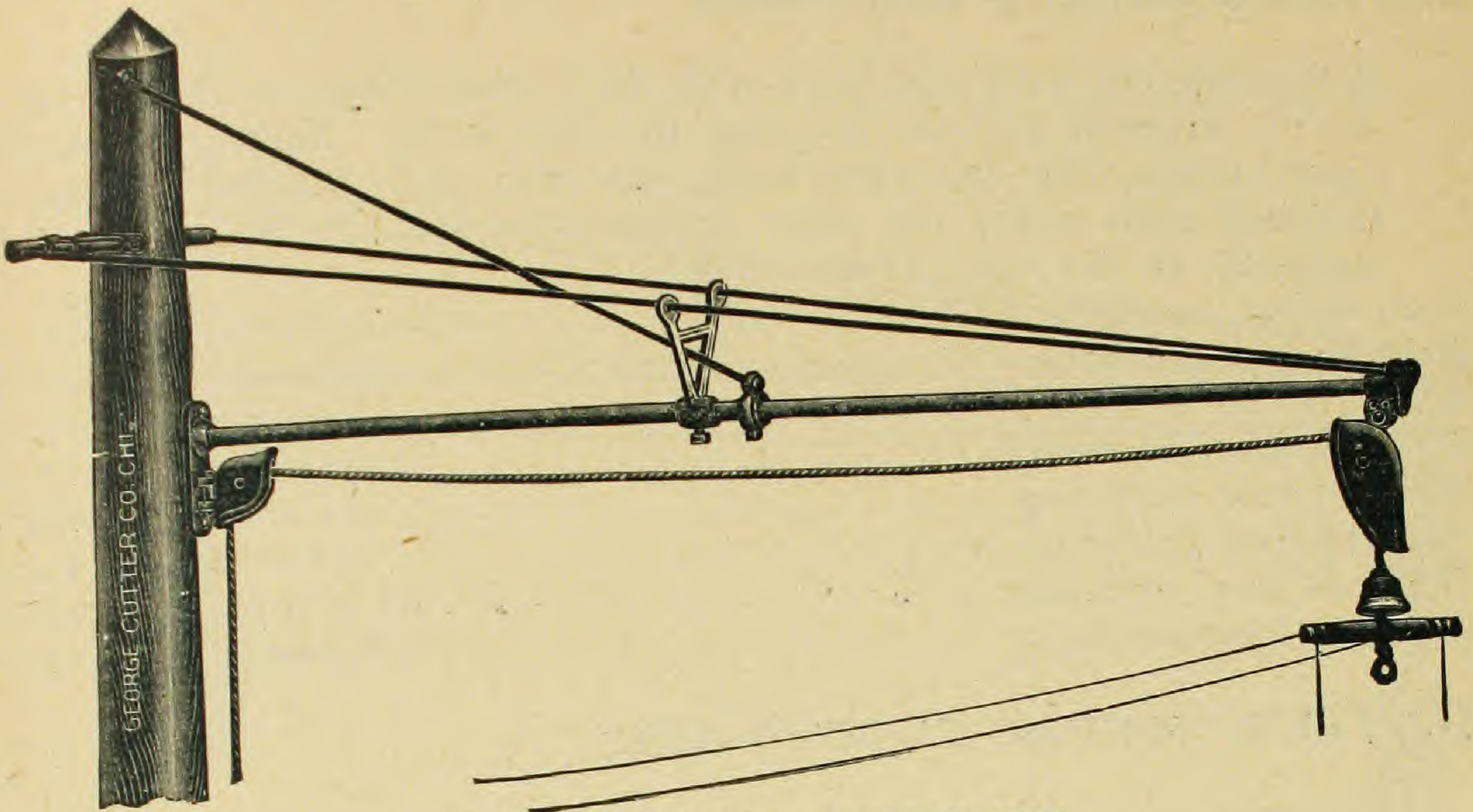
6-foot (Vesicle) \$4.30	12-foot (Vesper) \$5.50
8-foot (Vesicular) 4.70	14-foot (Vessel) 5.90
10-foot (Vesiculous) 5.10	

Same with Double-Braced Strain Arm and Extra Center Support.

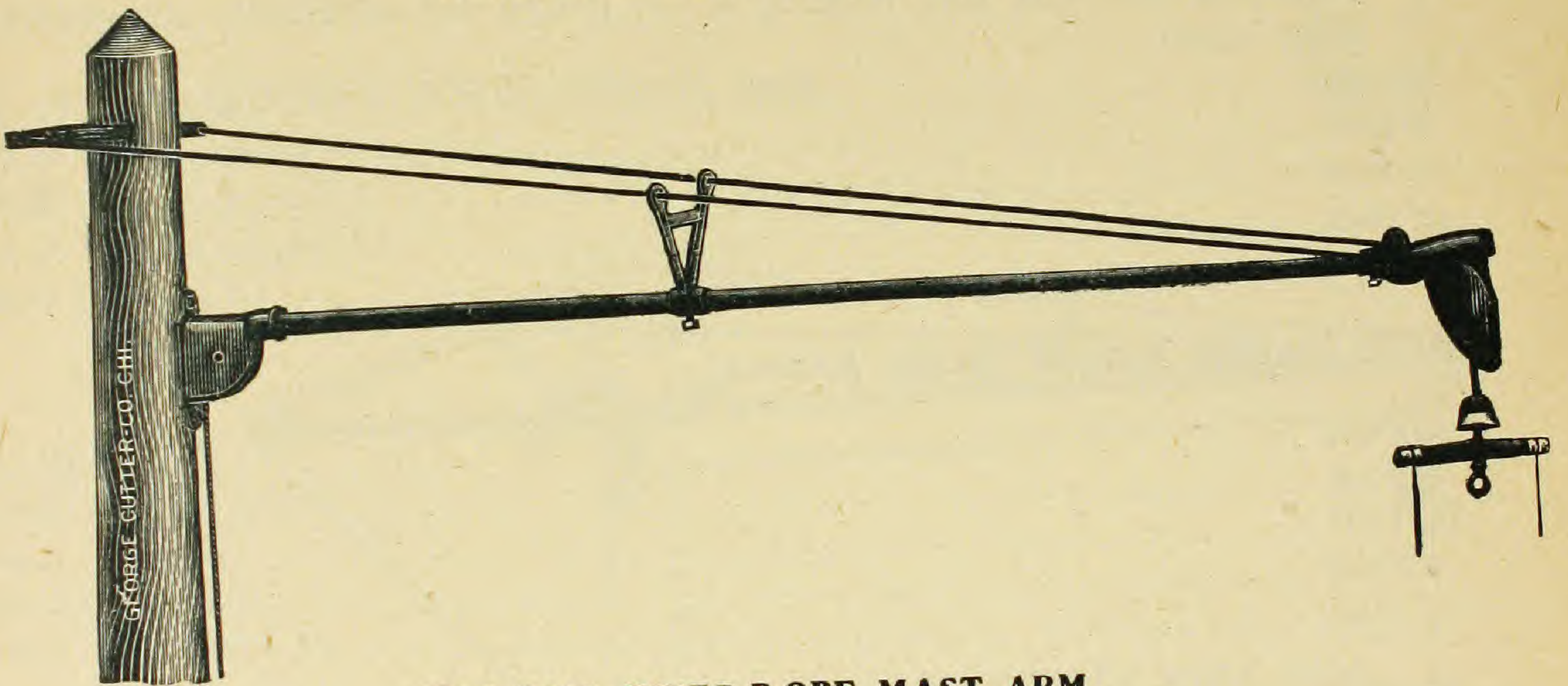
15-foot (Woodcock) \$6.50	18-foot (Woodpecker) \$7.20
16-foot (Woodcut) 6.70	20-foot (Woodwork) 7.70

(For prices on the above with Triple Insulation, see page 45.)

Why "rig up" fixtures of your own when Cutter's cost so little?



CUTTER'S "LONG JUNIOR" ARM.



CUTTER'S INNER-ROPE MAST ARM.
(See description on opposite page.)

CUTTER'S INNER-ROPE MAST ARM WITH REGULAR STRAIN ARM AND TRIPLE INSULATION ARM.

6 foot overhang.....	(Variable)	\$4.85
8 " "	(Variableness)	5.25
10 " "	(Variance)	5.65
12 " "	(Variability)	6.05

CUTTER'S INNER-ROPE MAST ARM WITH DOUBLE BRACED STRAIN ARM EXTRA CENTER ROD AND TRIPLE INSULATION ARM.

14 foot overhang.....	(Varying)	\$7.05
15 " "	(Variation)	7.25
16 " "	(Variegate)	7.45
18 " "	(Variegating)	7.95
20 " "	(Variegation)	8.45

CUTTER'S CUTOUT MAST-ARM

A WINDBRACED mast-arm fitted with the Cutout Pulley so that the lamp can be lowered without lowering the line wires. Makes the neatest construction (the line wires being run taut) and enables lamps to be trimmed with safety (or even replaced) on live circuits. Furnished complete as per cut (except rope).

With 8-foot overhang	(<i>Vermicelli</i>)	\$11.50
With 10-foot overhang	(<i>Vermicular</i>)	12.00
With 12-foot overhang	(<i>Vermiculate</i>)	13.00
With 14-foot overhang	(<i>Vermiculation</i>)	13.50
With 15-foot overhang	(<i>Vermicule</i>)	13.75
With 16-foot overhang	(<i>Vermilion</i>)	14.00
With 18-foot overhang	(<i>Vermiparous</i>)	14.50
With 20-foot overhang	(<i>Vermivorous</i>)	15.00

CUTTER'S "JUNIOR" CUTOUT ARM

CONSISTS of the "Junior" Mast Arm (page 42) with Cutter's Cutout Pulley at the outer end, making a low priced but unusually priceworthy mast arm.

6-foot	(<i>Vanity</i>)	\$7.90
8-foot	(<i>Vanquish</i>)	8.30
10-foot	(<i>Vanquisher</i>)	8.70
12-foot	(<i>Vanquishing</i>)	9.10
14-foot	(<i>Vanish</i>)	9.50

With Double Braced Strain Arm—

6-foot	(<i>Valor</i>)	\$8.30
8-foot	(<i>Valorous</i>)	8.70
10-foot	(<i>Value</i>)	9.10
12-foot	(<i>Valuable</i>)	9.50
14-foot	(<i>Valuating</i>)	9.90

With Extra Center Rod and Double Braced Strain Arm—

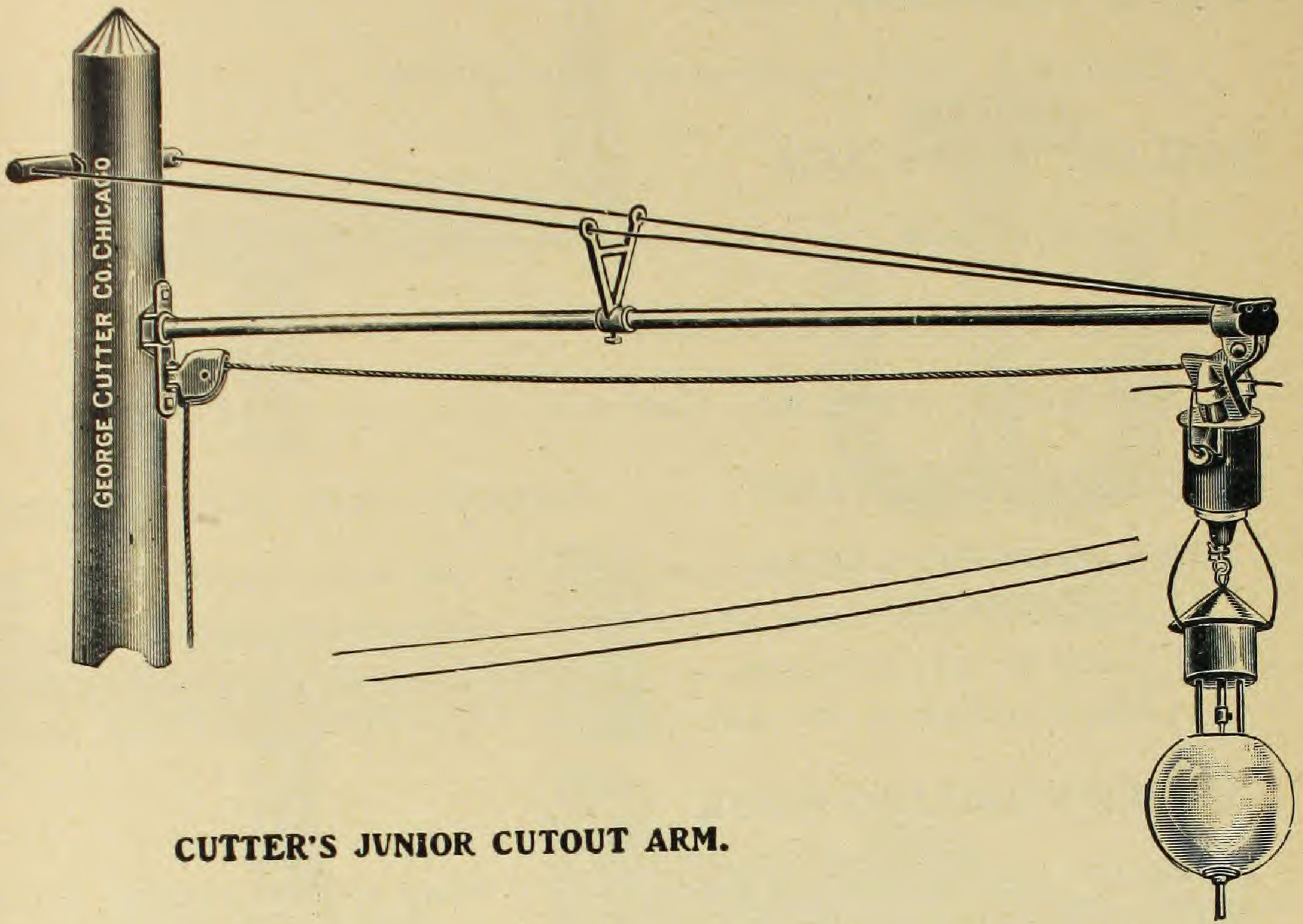
14-foot	(<i>Valuation</i>)	\$10.30
15-foot	(<i>Valuing</i>)	10.50
16-foot	(<i>Valvule</i>)	10.70
18-foot	(<i>Valvular</i>)	10.90
20-foot	(<i>Vamp</i>)	11.30

CUTTER'S PETTY TRAVELER ARM

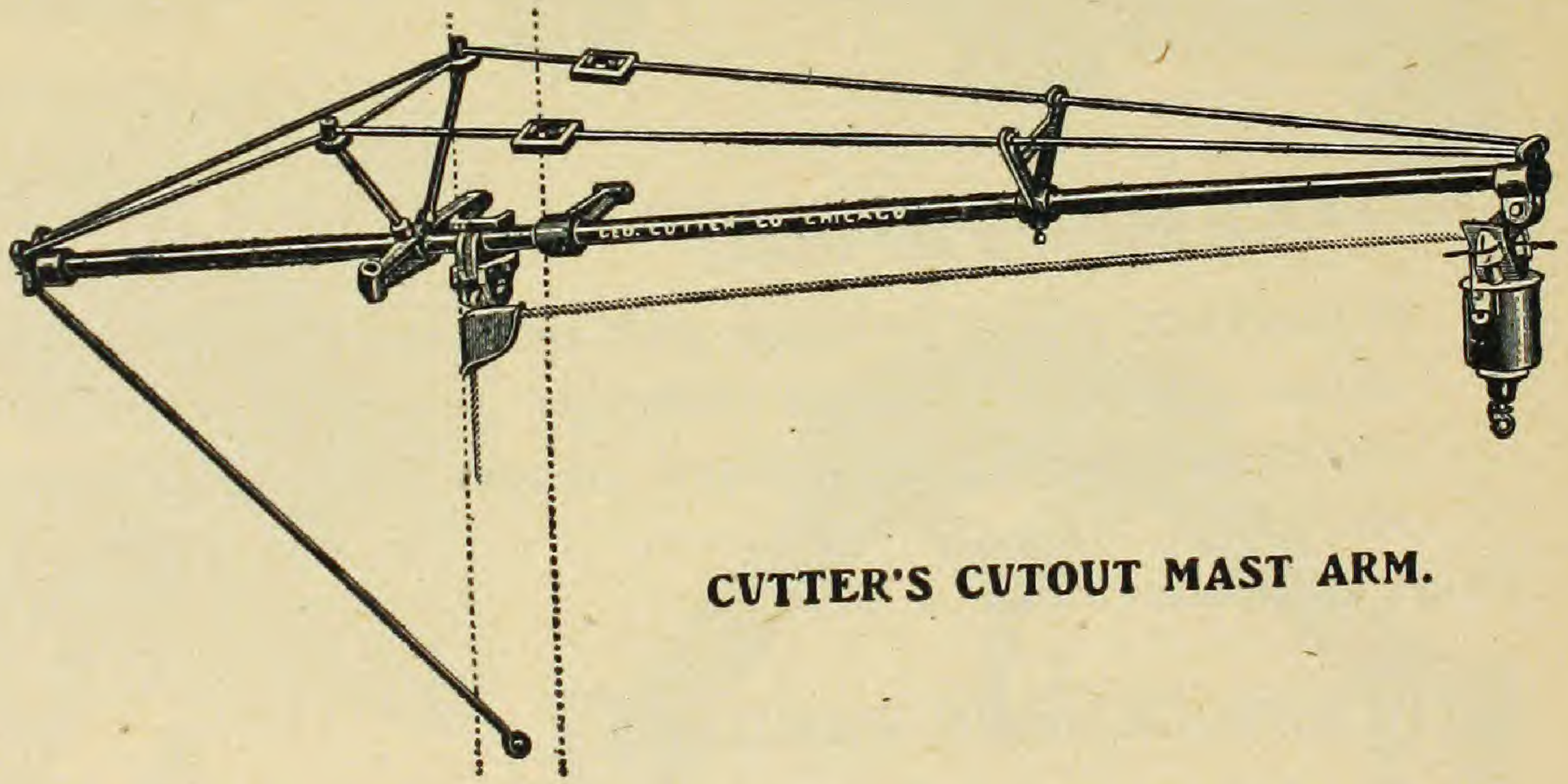
ALLOWS the lamp to be drawn to the pole for trimming. Without rope, but with triple Insulation Arm.

Per cut, 12-foot	(<i>Yawner</i>)	\$6.75
Per cut, 14 foot	(<i>Yawning</i>)	7.25

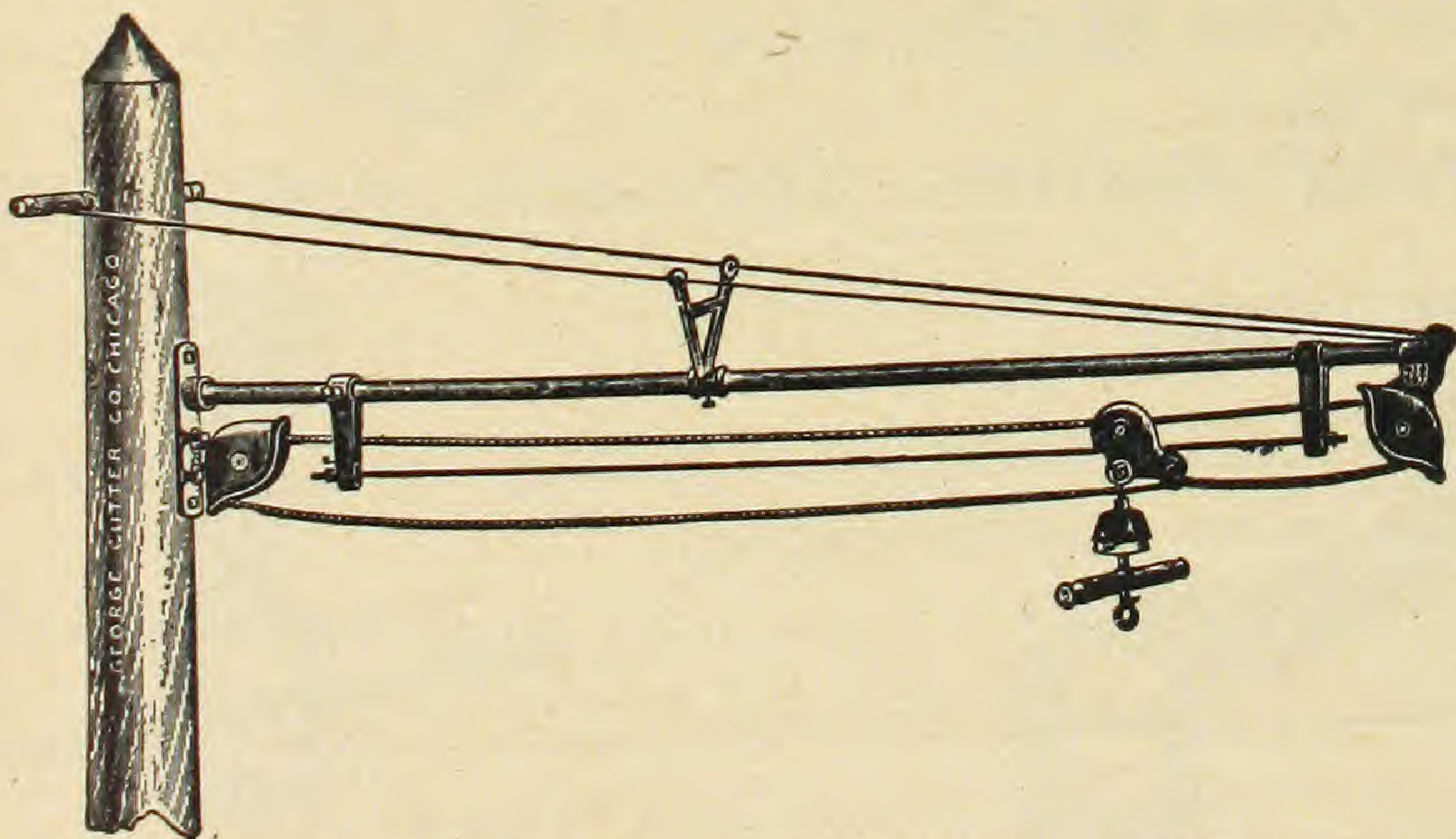
Use Cutter's $\frac{3}{8}$ -inch (or $\frac{1}{2}$ -inch) Banner Core Rope, or Cutter's "Ebony" Wire Rope with the above,



CUTTER'S JUNIOR CUTOUT ARM.



CUTTER'S CUTOUT MAST ARM.



CUTTER'S PETTY TRAVELER ARM.

FIXED PIN BREAK ARM

CAST IRON, with 12-inch spread between pins..... (*Version*) \$0.30

PINLESS BREAK ARM

CAST IRON, with 1½-inch sockets 12 inches apart.... (*Versatile*) .30

DOUBLE CEILING BRACKET

FOR bridges, mines, &c. Cast iron..... (*Versatility*) .24

CUTTER'S CLAMP ARM

A LIGHT-WEIGHT, pinless break-arm for use with Cutter's Park Crook, Cutter's Platform Crook or other posts, made of 2½-inch (bore) piping. With U-bolt for 2½-inch pipe..... (*Versus*) \$0.40
(Also furnished at the same price for 1¼, 1½ or 2-inch bore piping.)

CUTTER'S CEILING HOOK

A VERY popular insulator for indoor arc lamps and fan motors. Is compact, strongly made of malleable iron and porcelain, and gives good insulation.

Price (*Why*) \$0.25

CUTTER'S SPREADER HOOK

A COMPACT ceiling insulator with self-binding knobs for guiding the line wires. Strongly made of malleable iron, with porcelain insulation. A common-sense and low-priced hanger for indoor arc lamps or fan motors.

Price, complete (*Wherry*) \$0.35

CUTTER'S CEILING PENDANT

HOLDS the wire four inches from the ceiling, or far enough to prevent the unsightly blackening

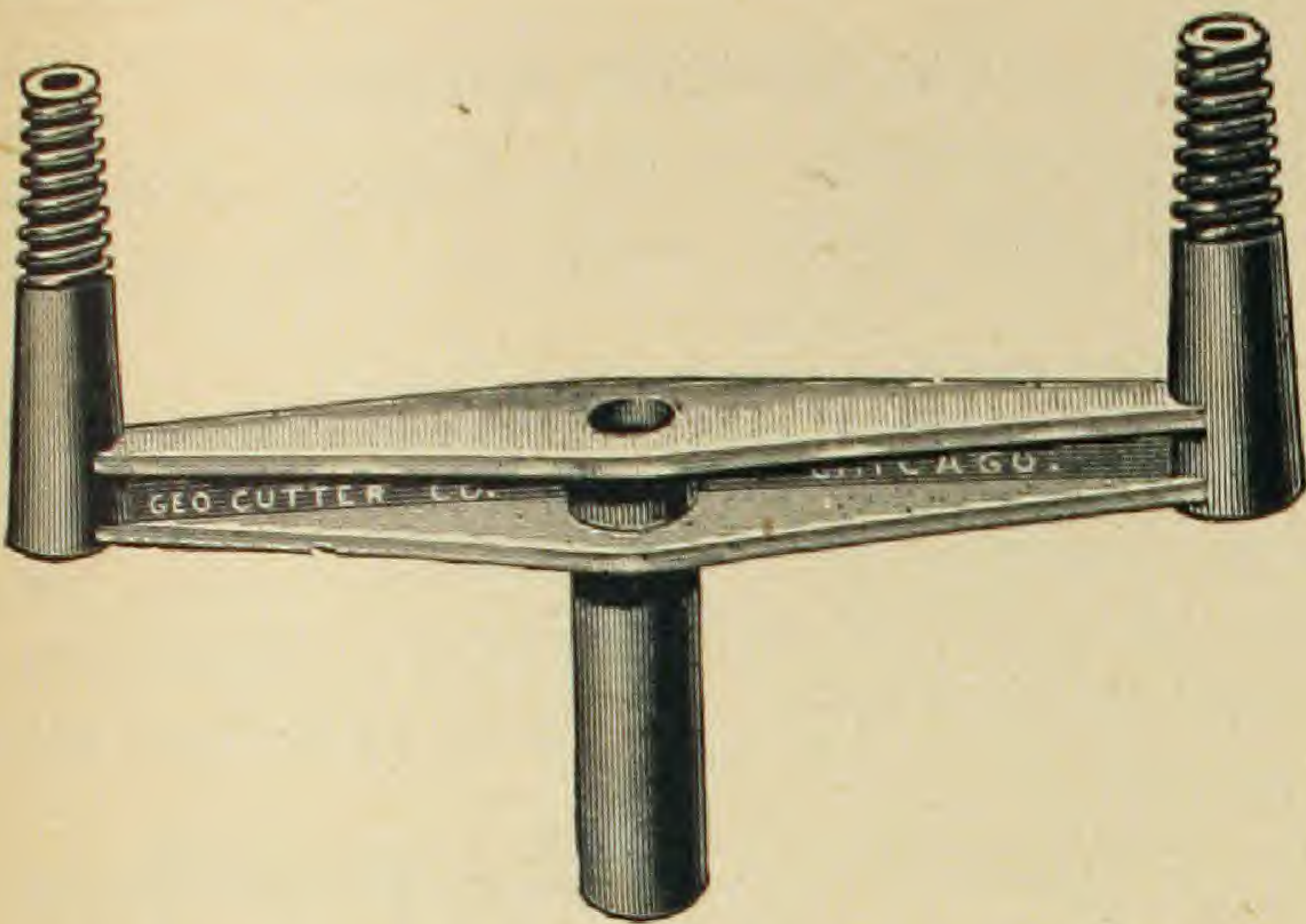
Complete, with self-binding knob..... (*Whiffle*) \$0.12

CUTTER'S TWIN PENDANT

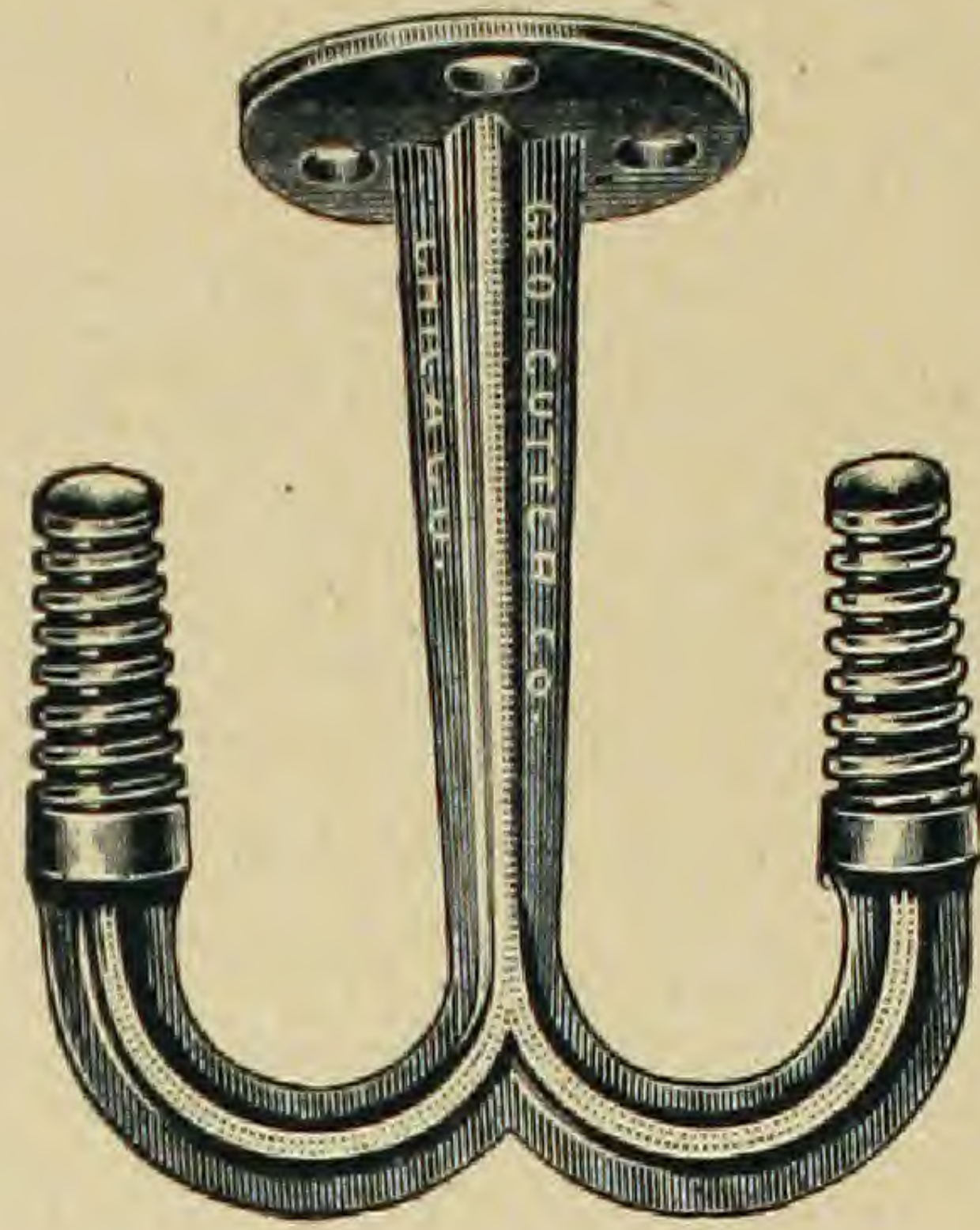
WITH self-binding porcelain insulator for holding arc light wires 8 inches apart and four inches from the ceiling.

Complete (*Whiffletree*) \$0.24

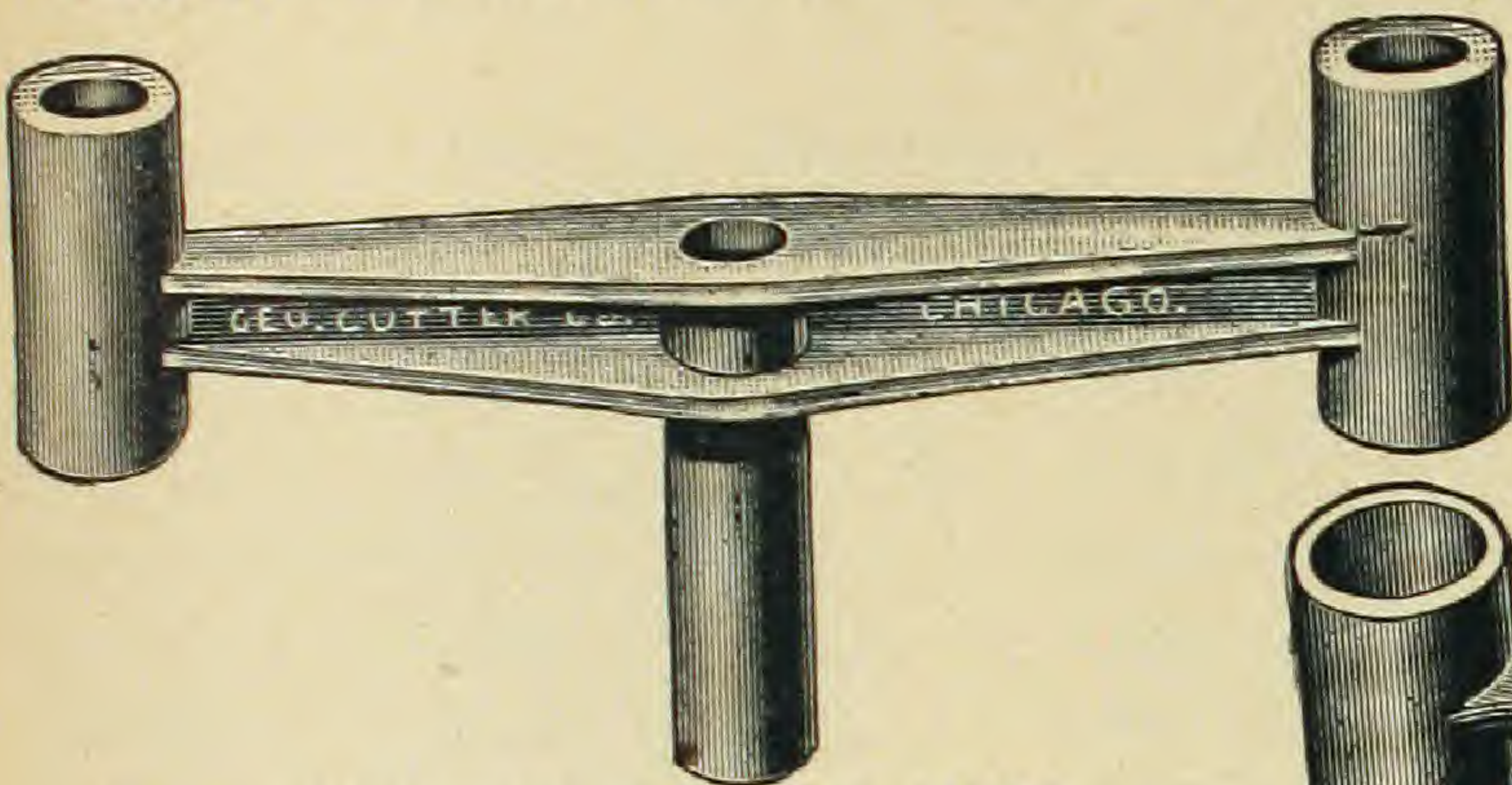
If puzzled, write us fully and we will help you in your picking.



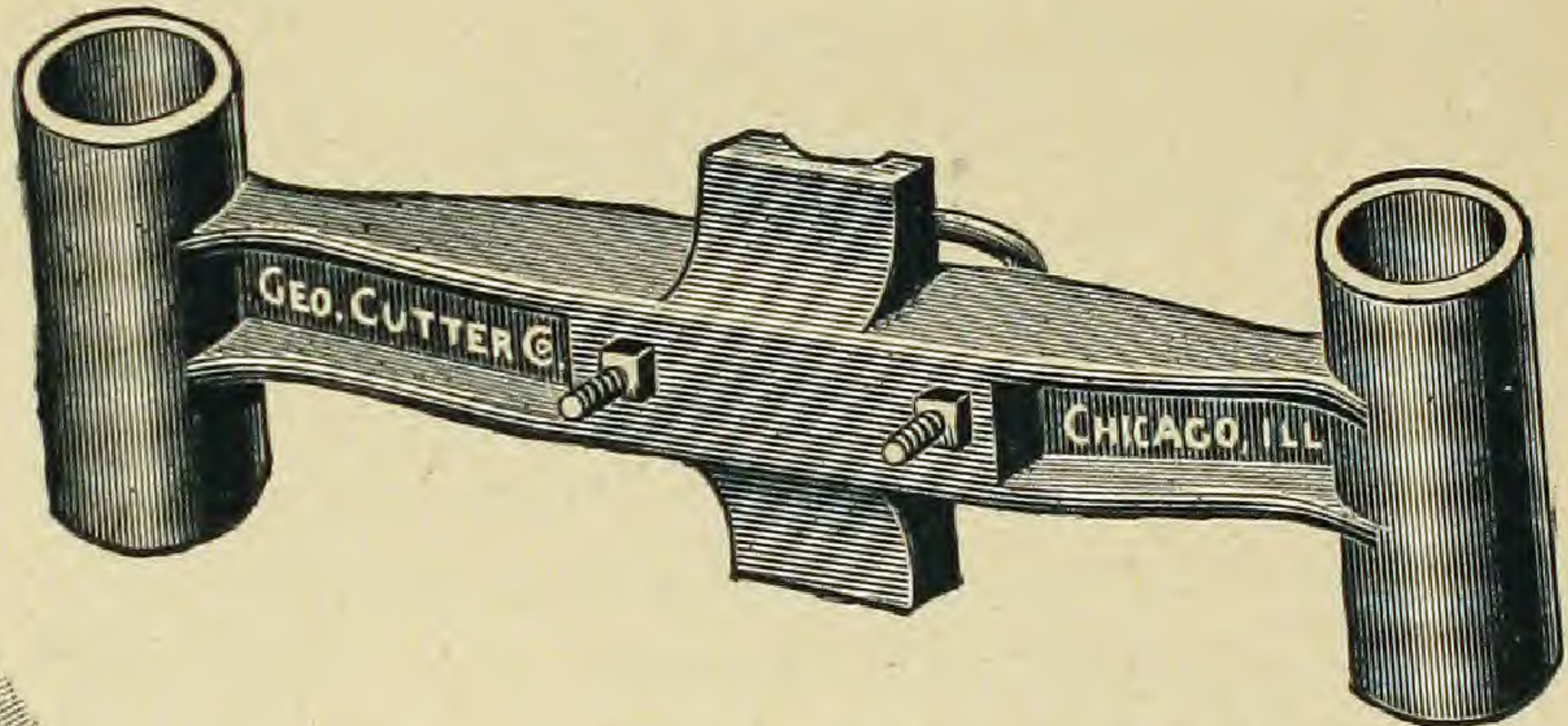
FIXED PIN BREAK ARM.—"VERSION."



DOUBLE CEILING BRACKET.
"VERSATILITY."



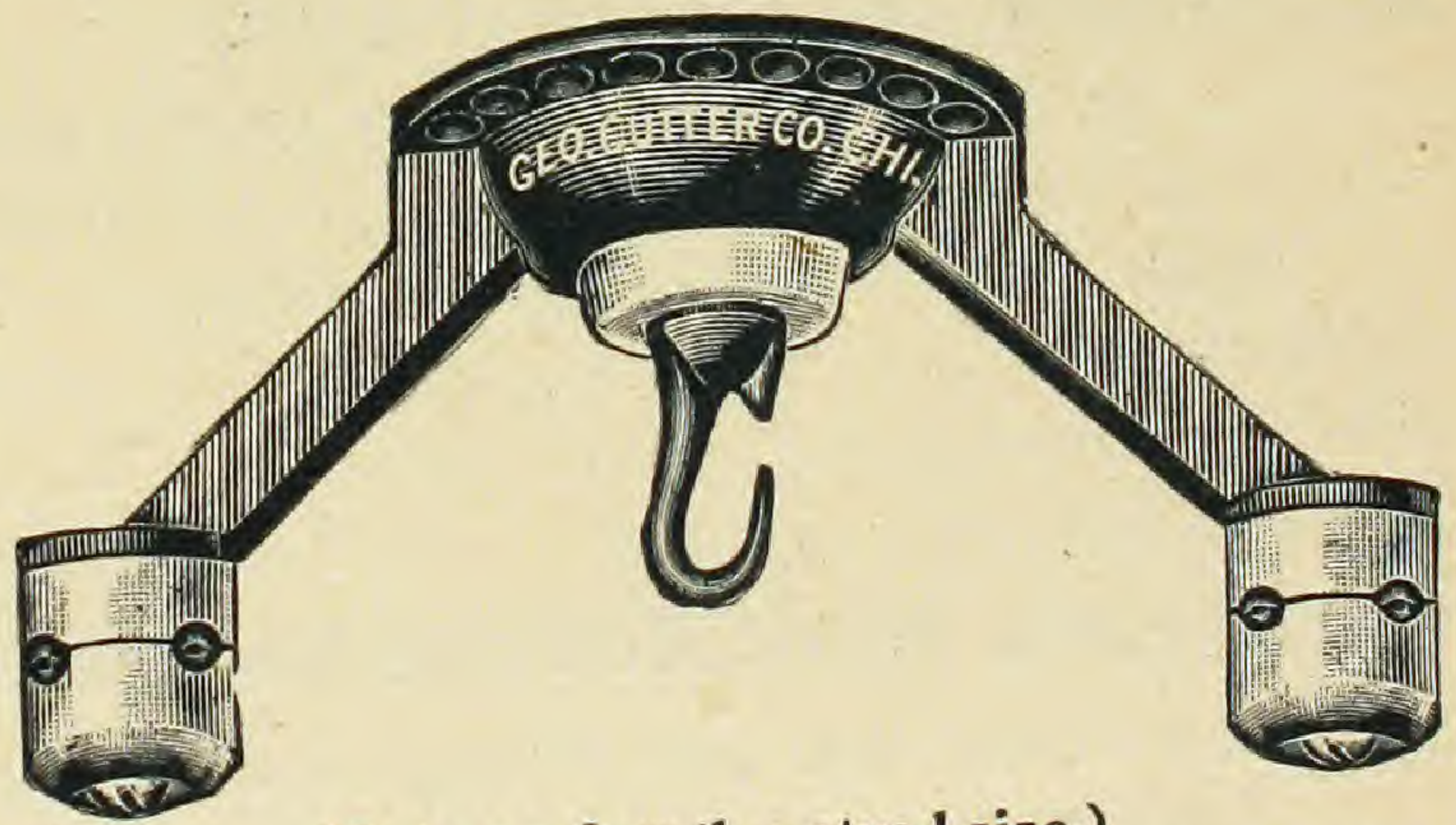
PINLESS BREAK-ARM.
"VERSATILE."



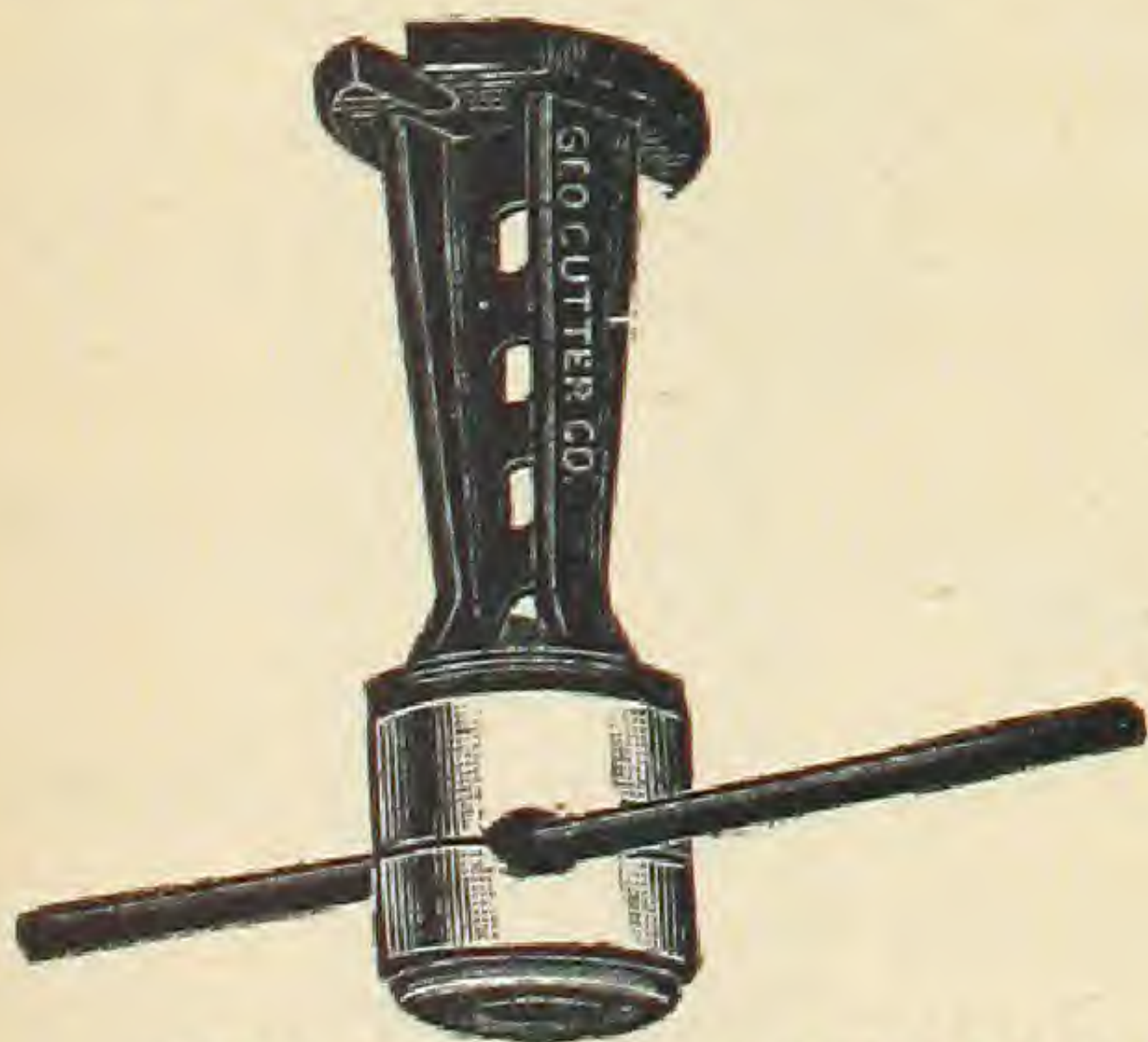
CLAMP ARM.—"VERSUS."



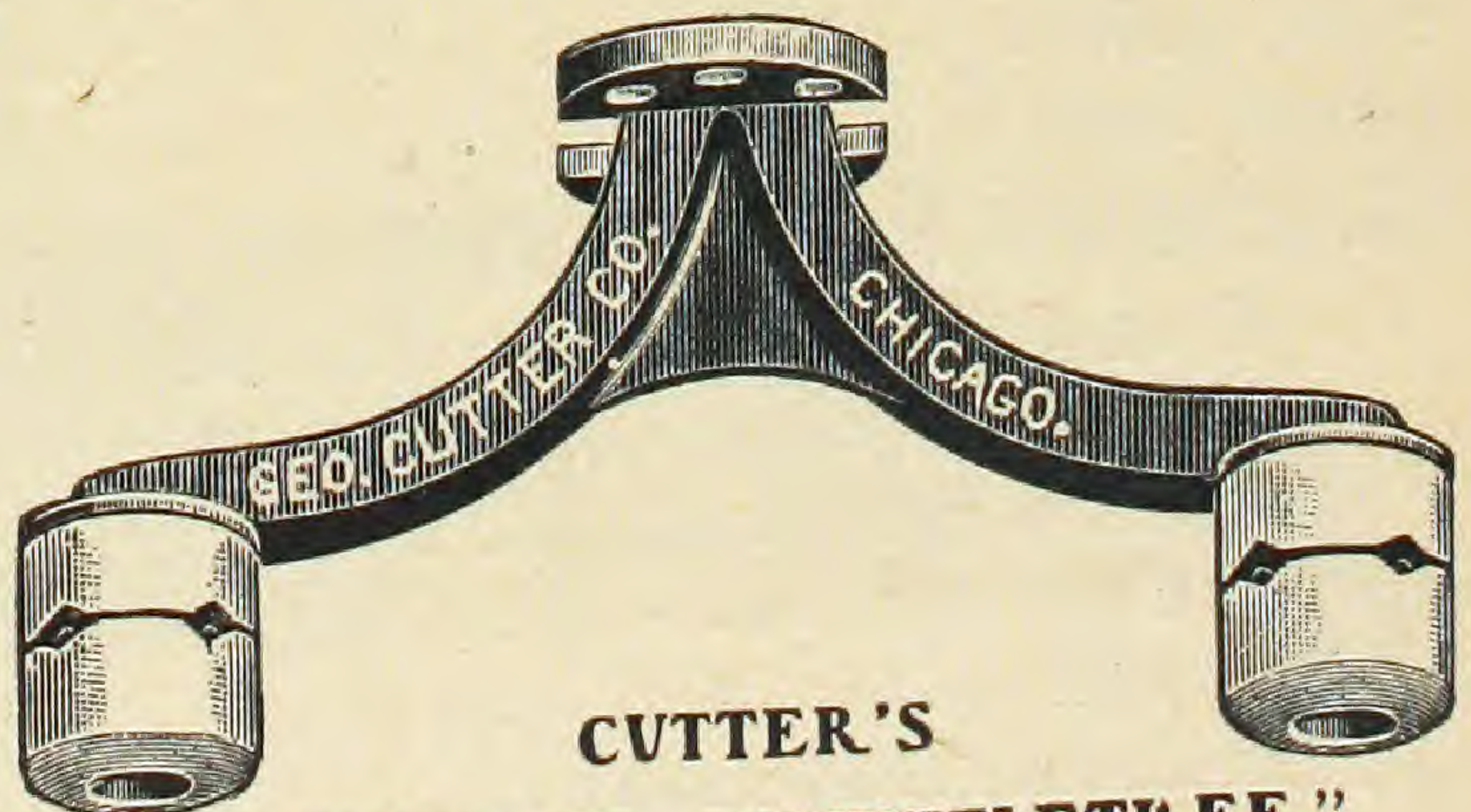
CUTTER'S CEILING HOOK.—"WHY."



(Cut one-fourth actual size.)
CUTTER'S SPREADER HOOK.—"WHERRY."



CUTTER'S CEILING
PENDANT.—"WHIFFLE."



CUTTER'S
TWIN PENDANT.—"WHIFFLETREE."

CUTTER'S TOGGLE (Patented 1895; other patents pending)

UNEQUALLED for securing moulding, brackets or any fixtures to walls or ceilings, on which screws will not hold, such as tile, marble or metal.

Can be used with the nut or thread outside; or with the nut inside, exposing only the slotted head of the bolt. Easy to put up: Simply bore or chip a hole (1-2 inch is large enough for the 3-16-inch size, but Cutter's Toggle holds firmly even in a 3-4 or 1-inch hole). Insert the toggle as per cut till the loose bar drops; then pull back and turn the bolt (or nut) till it binds the work.

Has no tiny rivet to limit its strength, hence the regular size (with 3-16-inch shank) is as strong as the 3/8-inch old style toggle-bolts. Adapts itself to fastening objects of varying thickness, the 4-inch meeting most needs.

Made in four sizes: "Regular" (3-16-inch shank), "Slender" (1-8-inch), "Quarter Inch" and "Jumbo" (5-16-inch).

	Packages of 10	Box of 25	Box of 100	1,000 or more
Regular, 3-16x3 (<i>Violet</i>).....	\$.22	\$.50	\$1.80	\$17.00
Regular, 3-16x4 (<i>Violin</i>).....	.25	.55	2.00	18.00
Regular, 3-16x6 (<i>Violinist</i>).....	.30	.70	2.50	22.50
Slender, 1-8x3 (<i>Viol</i>).....	.20	.45	1.70	16.00
Slender, 1-8x4 (<i>Violate</i>).....	.25	.50	1.90	17.50
Slender, 1-8x6 (<i>Violating</i>).....	.30	.65	2.20	20.00
Quarter Inch, 1-4x4 (<i>Violable</i>).....	.28	.60	2.20	20.00
Quarter Inch, 1-4x6 (<i>Violation</i>).....	.30	.70	2.60	24.00
Jumbo, 5-16x4 (<i>Violator</i>).....	.35	.80	3.00	27.50
Jumbo, 5-16x6 (<i>Violently</i>).....	.40	.95	3.50	32.50

Add 20 per cent. for blued heads, 50 per cent. for nicked heads.

CUTTER'S MAROON PAINT

A DARK maroon weather-proof paint for streethood tops. (Darker in color than that on Cutter's hoods as it has to dry in the air). Takes a gallon for every 80 hood tops.

Gallon can	(<i>Veneer</i>) \$1.25
Two gallon can	(<i>Venerable</i>) 2.40
Five gallon can	(<i>Venery</i>) 5.50

CUTTER'S REFLECTOR ENAMEL

AN extra fine air-drying enamel for streethood reflectors or tin shades. Not needed with Cutter's Porcelained Reflectors, but fine for all others. Takes a gallon for every 80 reflectors.

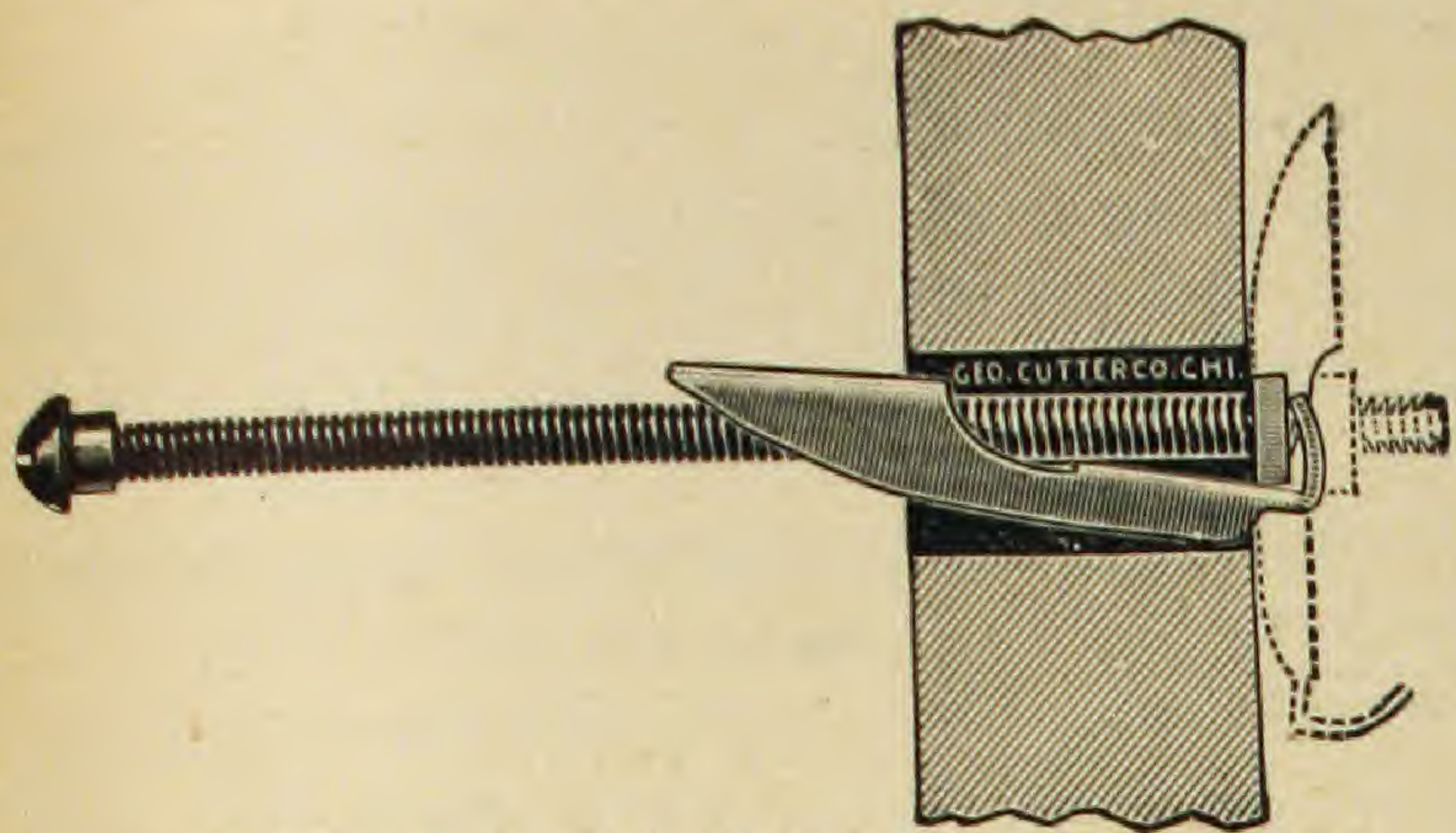
Gallon can	(<i>Venerate</i>) \$3.00
Half gallon	(<i>Venerating</i>) 1.60
Quart can	(<i>Veneration</i>) .90

CUTTER'S PIPE PAINT

A GLOSSY black paint for streethood goosenecks, mast-arm pipes, arc hoods and other metal work.

Five gallon can	(<i>Vendor</i>) \$5.50
Two gallon can	(<i>Vendible</i>) 2.40
Gallon can	(<i>Vendue</i>) 1.25

Where screws will not hold, use Cutter's Toggles.

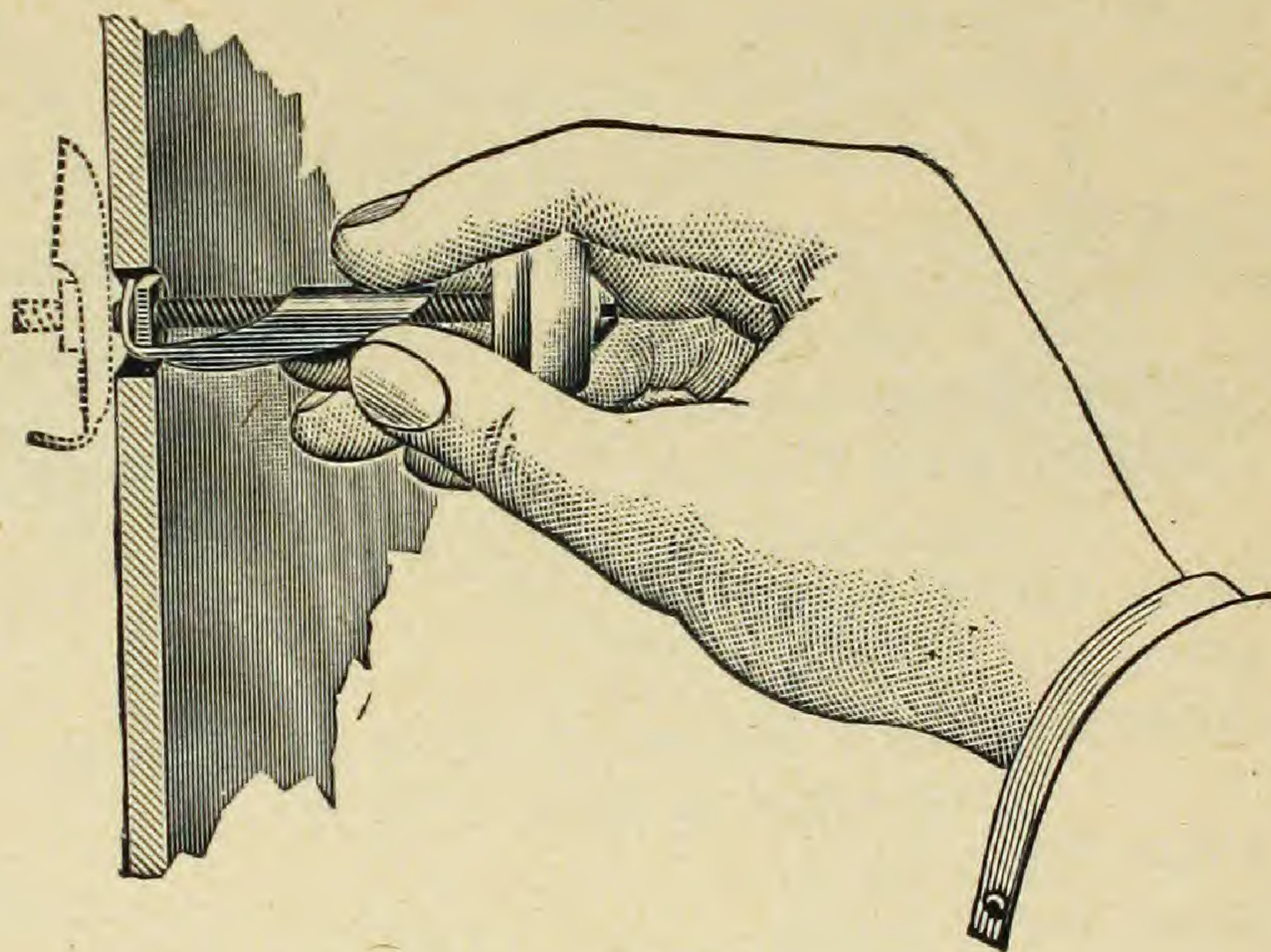


CUTTER'S TOGGLE.

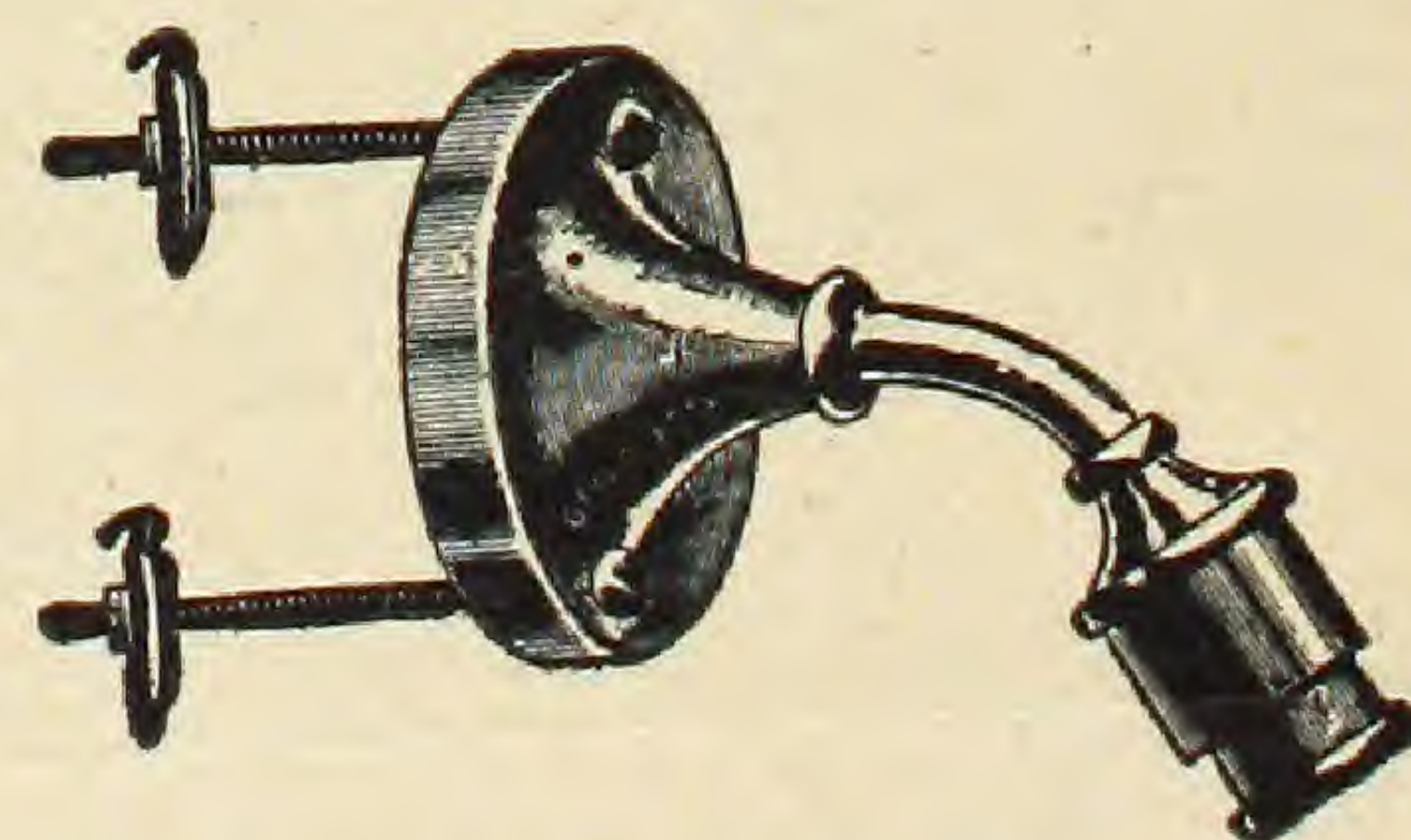
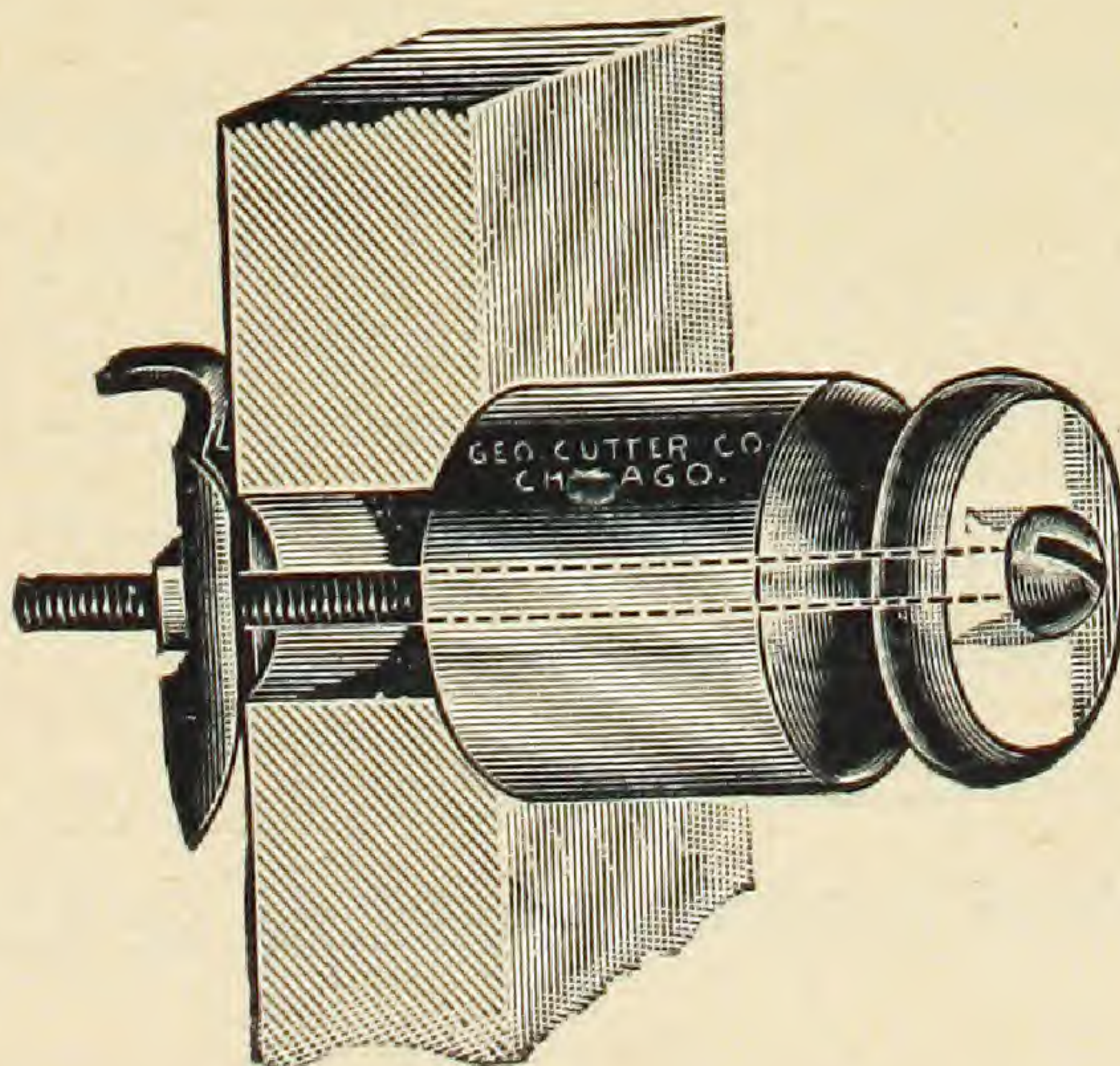
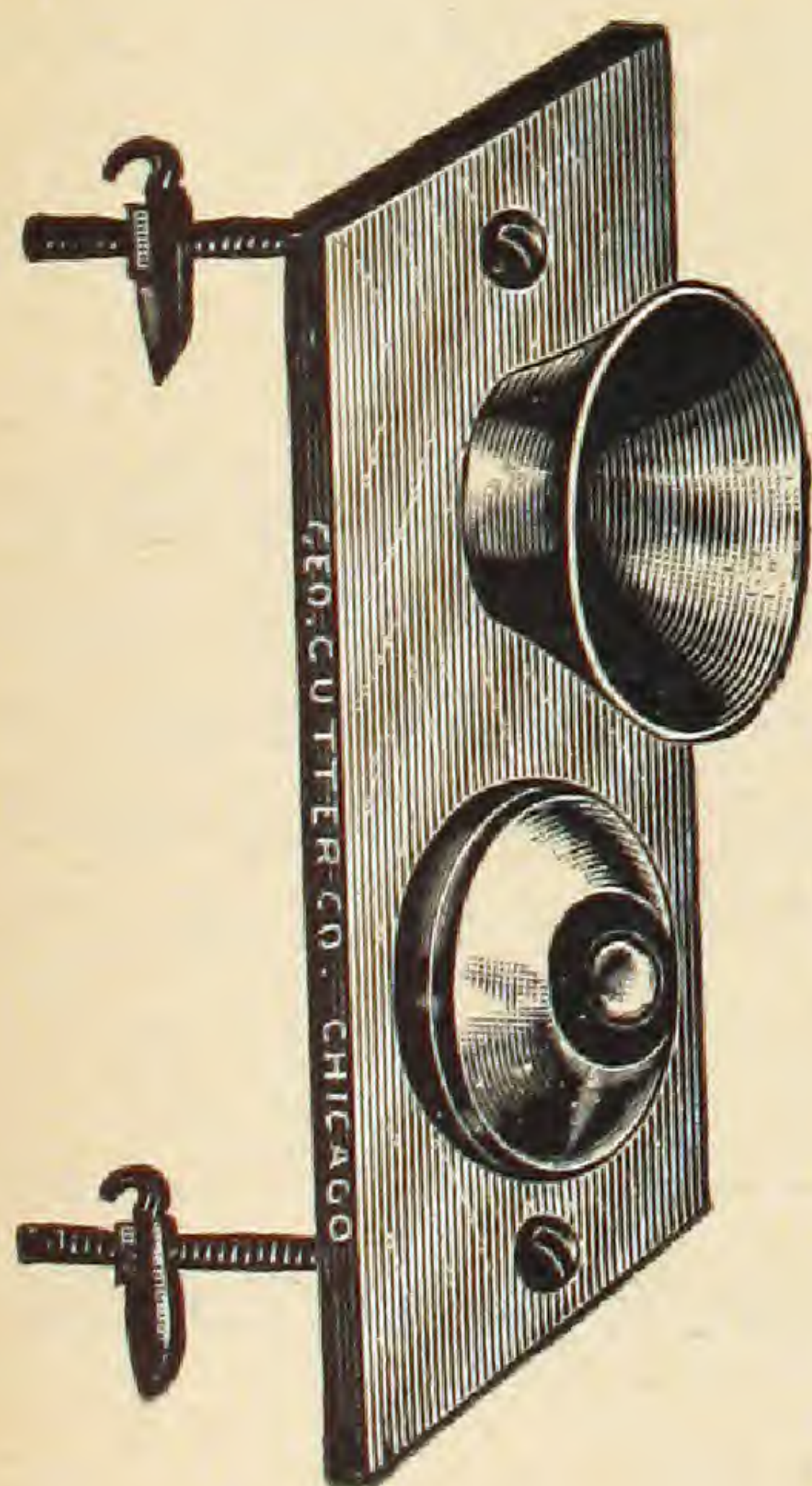
Half actual size of the 4-inch toggle



**CUTTER'S
MAROON PAINT**



Easily inserted thus:



**Some uses of Cutter's
toggles.**

CUTTER'S STANDARD STREETHOOD

THE bracket streethood with the scientifically curved reflector which distributes the light evenly over a wide area. Has an enameled wood cross-arm with metal bound ends (to prevent splitting) and with the fittings bolted to the arm. The hood proper is seamless, with the edge turned under (to shed the rain). Shipped complete with curved pole-plate, three foot iron gooseneck, enameled arm, waterproof hood, hinged reflector and porcelain shell socket.

With Brace Arm and T. H. base socket.....	(Whig)	\$1.85
Same with Edison socket	(Whelm)	1.85
Same with Wghse. socket.....	(Whistle)	1.85
Same without socket or nozzle	(Whistling)	1.60

Cutter's Standard Streethood without Brace Arm

But with T-H socket.....	(Whirl)	\$1.57
Same with Edison socket	(Whirlpool)	1.57
Same with Wghse. socket	(Whirling)	1.57
Same without socket or nozzle.....	(Whirligig)	1.32

(For longer goosenecks, add 7 cents per extra foot).

CUTTER'S 3-LIGHT STANDARD STREETHOOD

HAS a special reflector and socket arrangement which makes it easily wired and quickly put up.

Complete with Edison, T-H or Wghse. base porcelain shell sockets and brace-arm for back of pole.....	(Vocal)	\$2.35
Same for 4 lights	(Vocation)	2.60
Same for 5 lights	(Vocalic)	2.85
Cutter's 3-light Standard Streethood with sockets, but without the brace-arm at back of pole.....	(Vocalist)	2.07
Same for 4 lights	(Vocative)	2.32
Same for 5 lights	(Vocalize)	2.57

(State base of socket wanted.)

CUTTER'S RAILWAY STREETHOOD

SIMILAR to Cutter's Standard Streethood but with clamp for standard iron poles of 5-inch bore.

3 light (as per cut) with Edison base sockets and clamp for 5-inch (bore) pipe	(Verbal)	\$2.40
Same, 5-light	(Verb)	2.90
Same, 2-light	(Verbalism)	2.15
Same with single Edison socket.....	(Verbally)	1.90

Cutter's Railway Streethood for 6-inch (bore) iron poles—

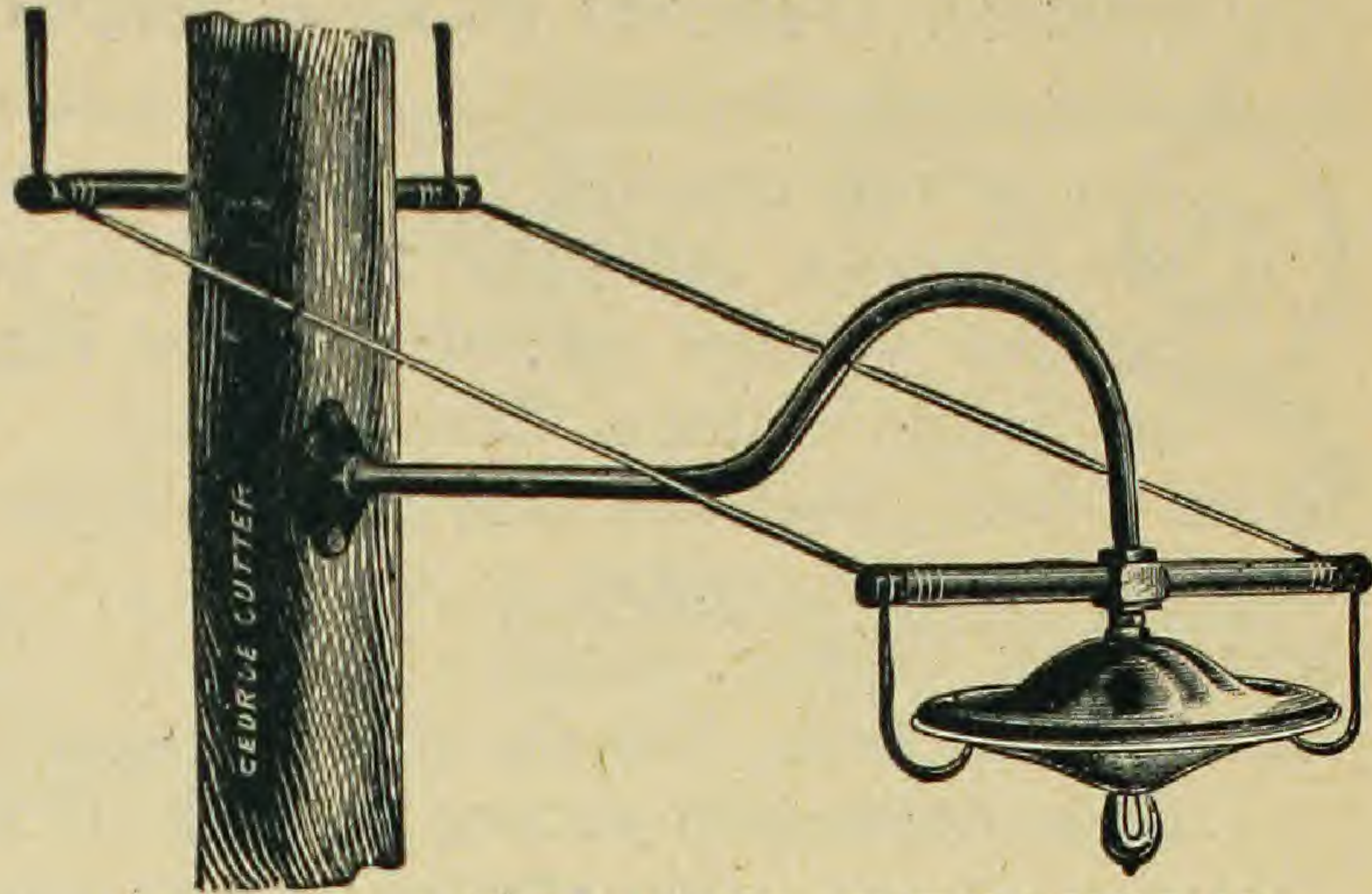
5-light, with Edison base sockets	(Veracious)	\$3.00
Same, 3-light	(Veracity)	2.50
Same, 2-light	(Venture)	2.25
Same, with single Edison socket	(Venturous)	2.00

(Any of the above furnished with T-H or Westinghouse base sockets at the same price).

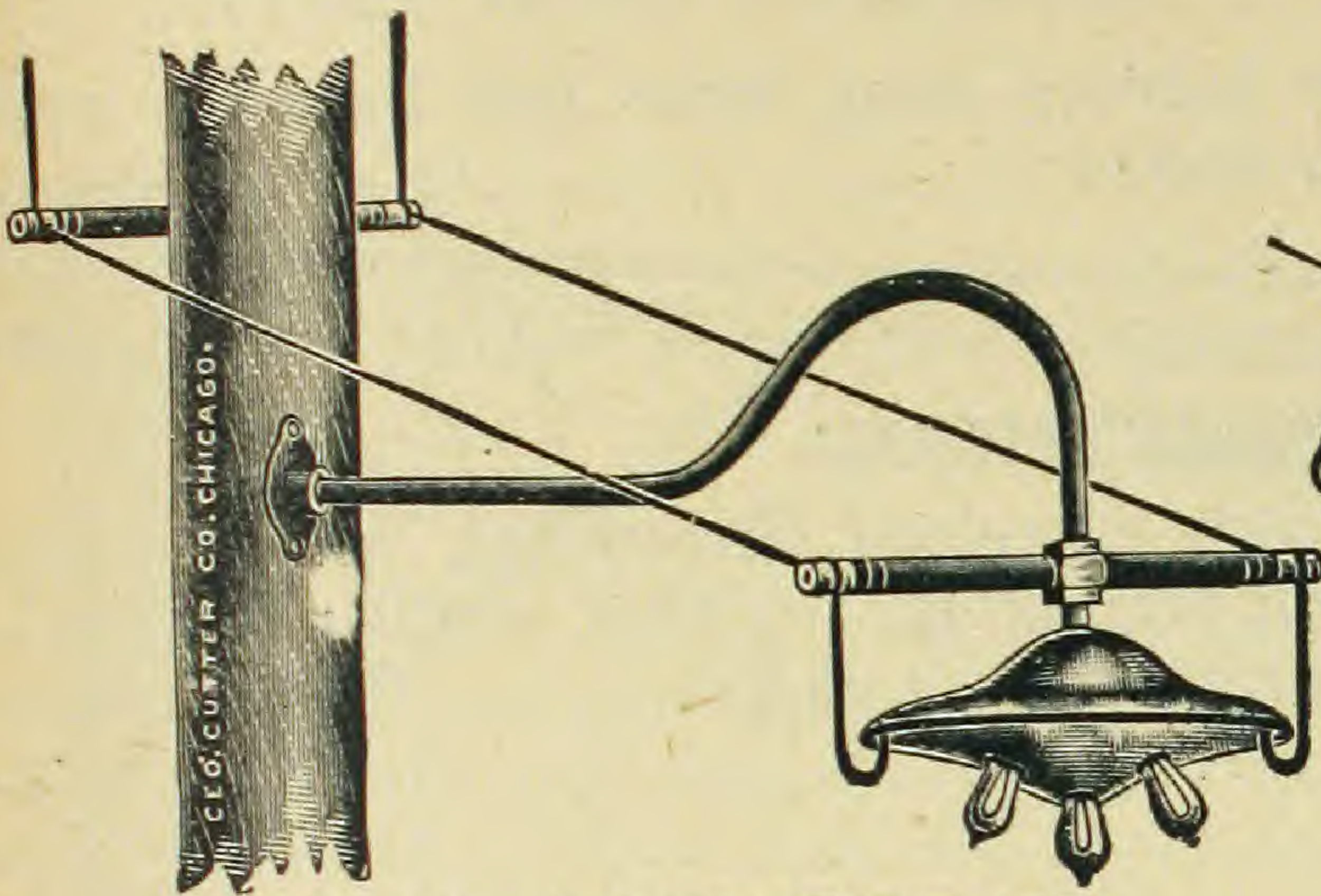
You get the results of fifteen years' experience in Cutter's Streethoods.



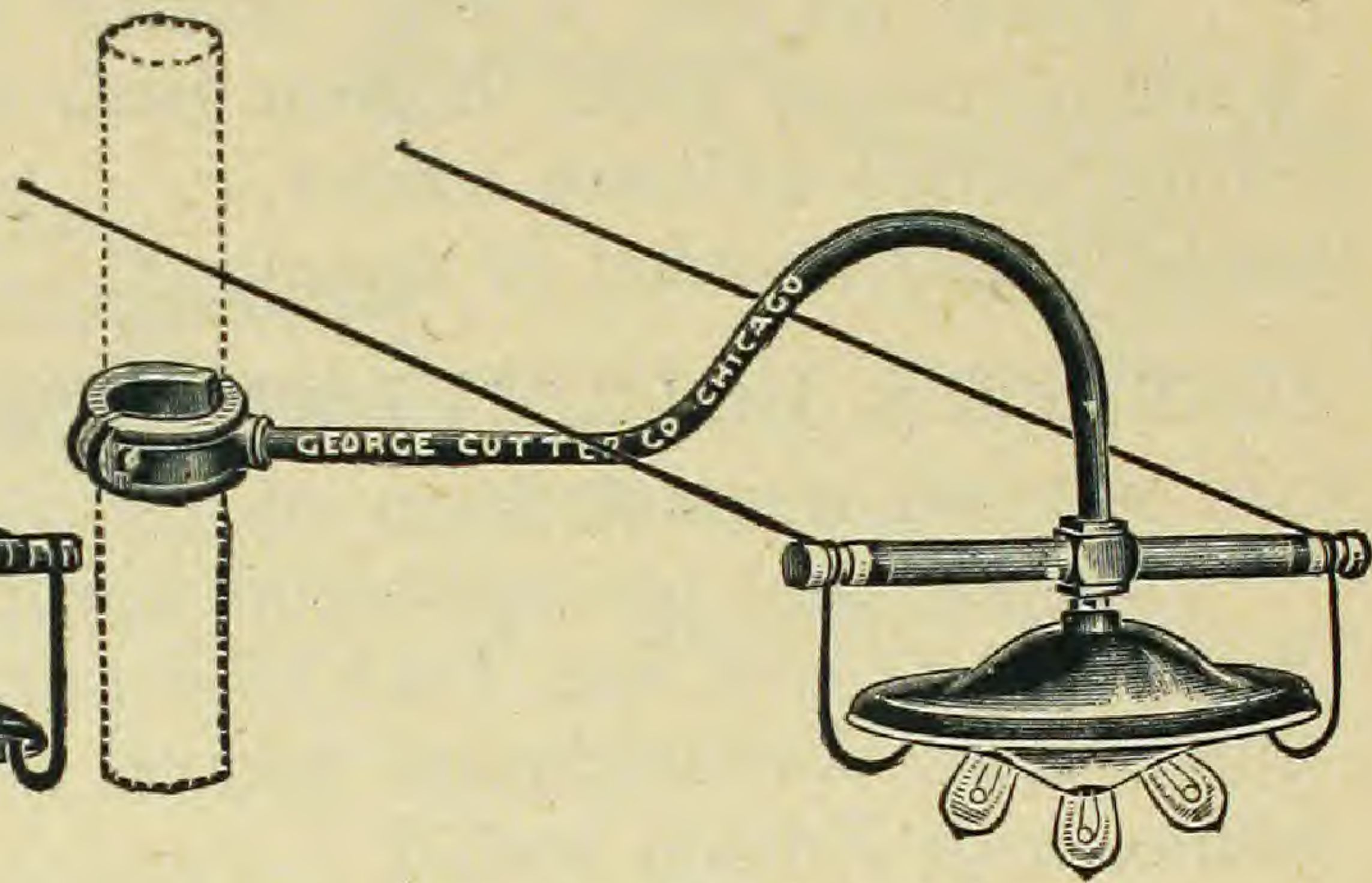
**SECTION OF CROSS-ARM,
SHOWING METHOD OF
BOLTING THE FIT-
TINGS (No screws
to work loose in
the wood.)**



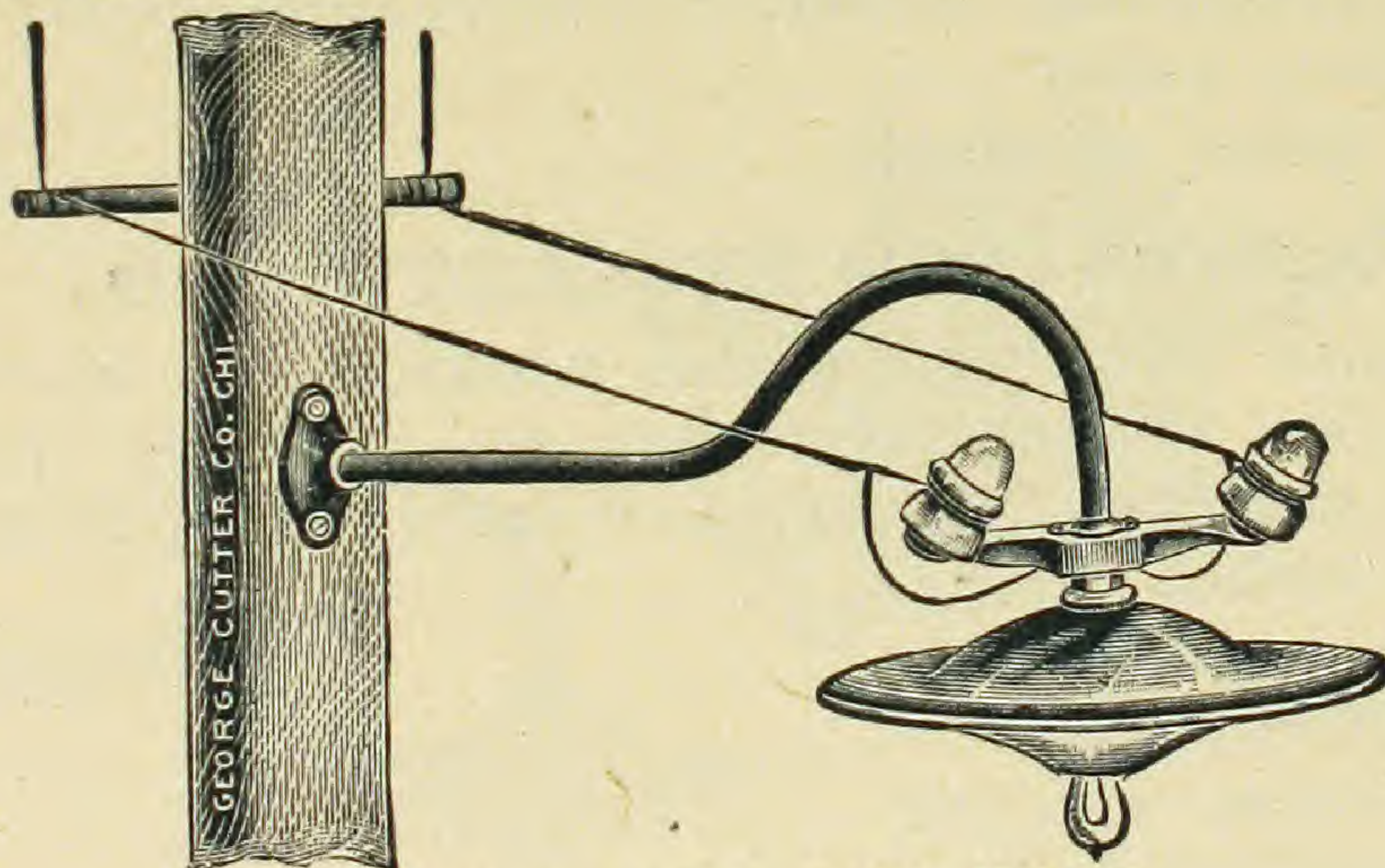
CUTTER'S STANDARD STREETHOOD.



**CUTTER'S 3-LIGHT STANDARD
STREETHOOD.**



**CUTTER'S RAILWAY
STREETHOOD.**



CUTTER'S IRON ARM HOOD.

CUTTER'S IRON ARM HOOD

Same as the Standard Streethood excepting the cross-arm, which is of iron, supporting double petticoat insulators on wood pins. The wires can be run in under the edge of the hood, or by using a nozzle between the hood and the socket the wiring can be done through the nipple, as shown in our cut.

Price without Brace-Arm, but with three foot gooseneck and T-H base porcelain shell socket.....	(Youth)	\$1.70
Same with Edison base socket.....	(Youthful)	1.70
Same with Wghse. base socket.....	(Youngest)	1.70
Same without socket or nozzle.....	(Yule)	1.45

(For Brace-Arm to be used at back of Pole, add 28 cents.)

CUTTER'S URBAN STREETHOOD

A BRACKET streethood with a spreader over the hood so that the wires can be run through the nipple of the hood. Fibre insulation separates the spreader from the streethood proper, reducing the risk of leakage on low voltage circuits. (For high voltages, use Cutter's "Eastern" or "High Voltage" Streethoods.)

With 3-foot gooseneck and Edison socket.....	(Virile)	\$1.60
Same with T-H socket	(Virility)	1.60
Same with Wghse. socket	(Virus)	1.60
Same with Series Nozzle only	(Virtually)	1.45

(For brace-arm shown at back of pole, add 28 cents. For longer goosenecks, add 7 cents per extra foot).

CUTTER'S HOTEL HOOD

WITH a "cast scroll" bracket holding lamp three feet from the wall.

With porcelain shell, Edison base socket.....	(Venison)	\$2.25
Same with T-H base socket.....	(Venial)	2.25
Same without socket or nozzle	(Venous)	2.00

CUTTER'S BOULEVARD STREETHOOD

AN ornamental form of Cutter's Standard Streethood, with a 5-foot bracket and wrought-iron scroll trimmings. (Other lengths to order).

With Brace-Arm and T-H base porcelain shell socket.....	(Willful)	\$2.50
Same, with Westinghouse socket.....	(Willing)	2.50
Same, with Edison socket	(Willed)	2.50
Same, with socket or nozzle.....	(Windmill)	2.25
Same, without Brace-Arm, but with T-H socket.....	(Wince)	2.22
Same, with Westinghouse socket.....	(Winding)	2.22
Same, with Edison socket	(Winnow)	2.22
Same, without socket or nozzle	(Windbound)	1.97

CUTTER'S TWELVE-INCH BRACKET HOOD

HAS the same fine material and workmanship as Cutter's Standard Streethood, but smaller metal parts and a shorter cross-arm. Shipped with 3-foot gooseneck, enameled cross-arm and porcelain socket.

With T-H base socket	(Zodiac)	\$1.45
Same, with Edison socket	(Zone)	1.45
Same, with Wghse. socket	(Zoology)	1.45
Same, without socket or nozzle	(Zouave)	1.20

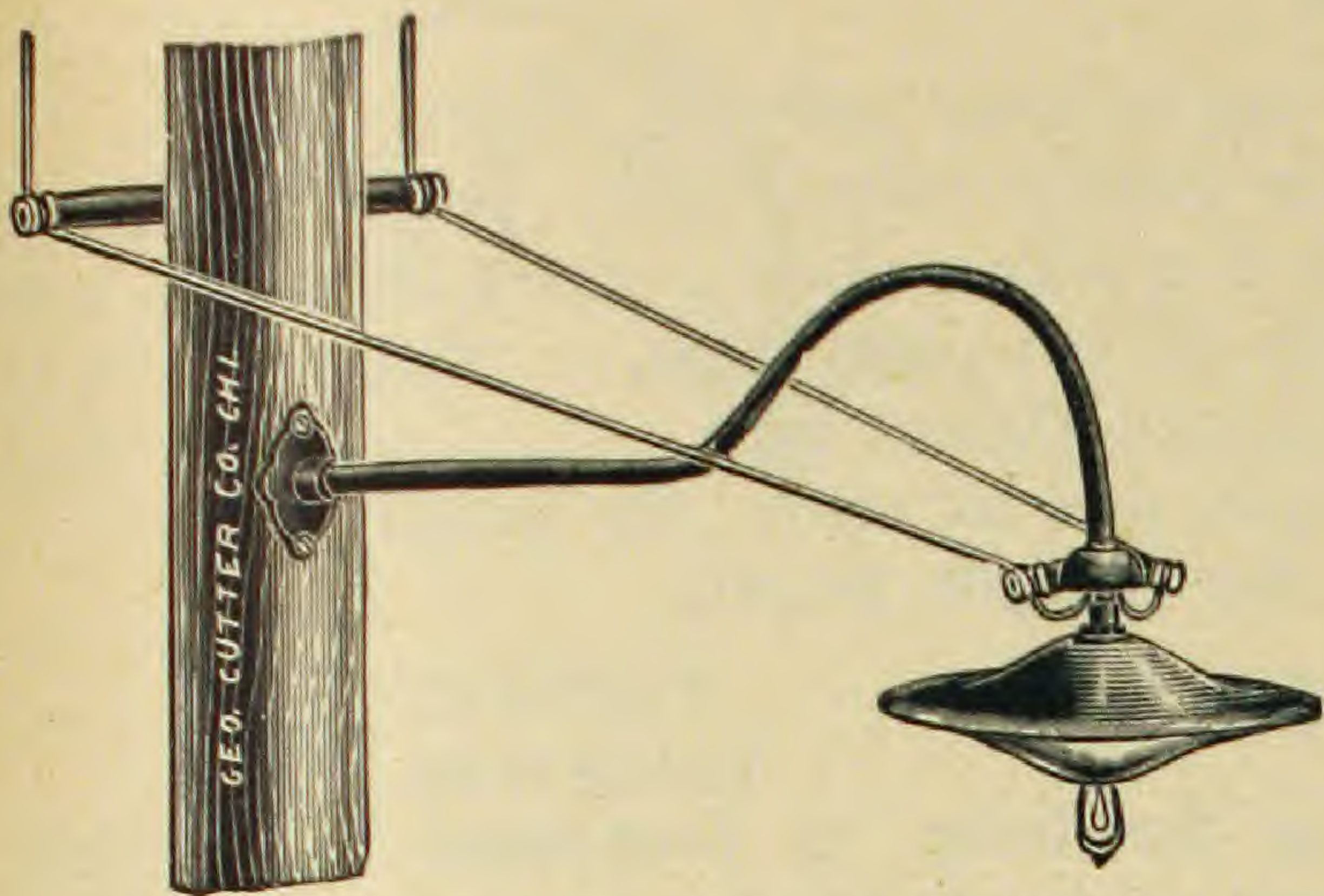
(For longer than 3-foot goosenecks, add 7 cents per extra foot.)

CUTTER'S INNER-WIRED HOOD

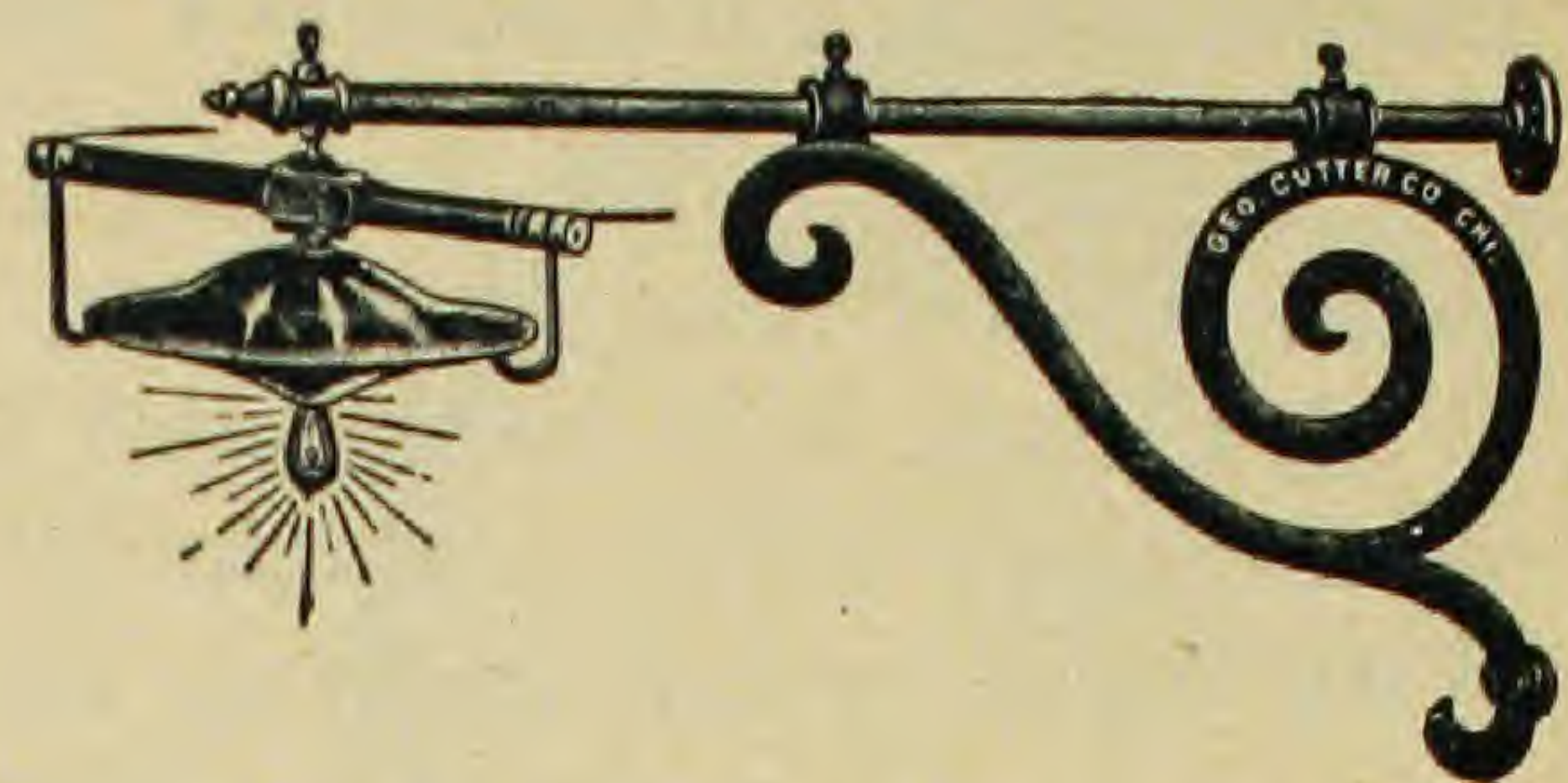
Price does not include wiring, nor the brace-arm at back of pole.

With Edison Socket	(Worried)	\$1.45	With 3/8-inch Nozzle	(Waybill)	\$1.20
With T-H Socket	(Waywardness)	1.45	With 1/8-inch Nozzle	(Wayfarer)	1.20
With Wghse. Socket	(Worrisome)	1.45	Without Nozzle	(Wayfaring)	1.10

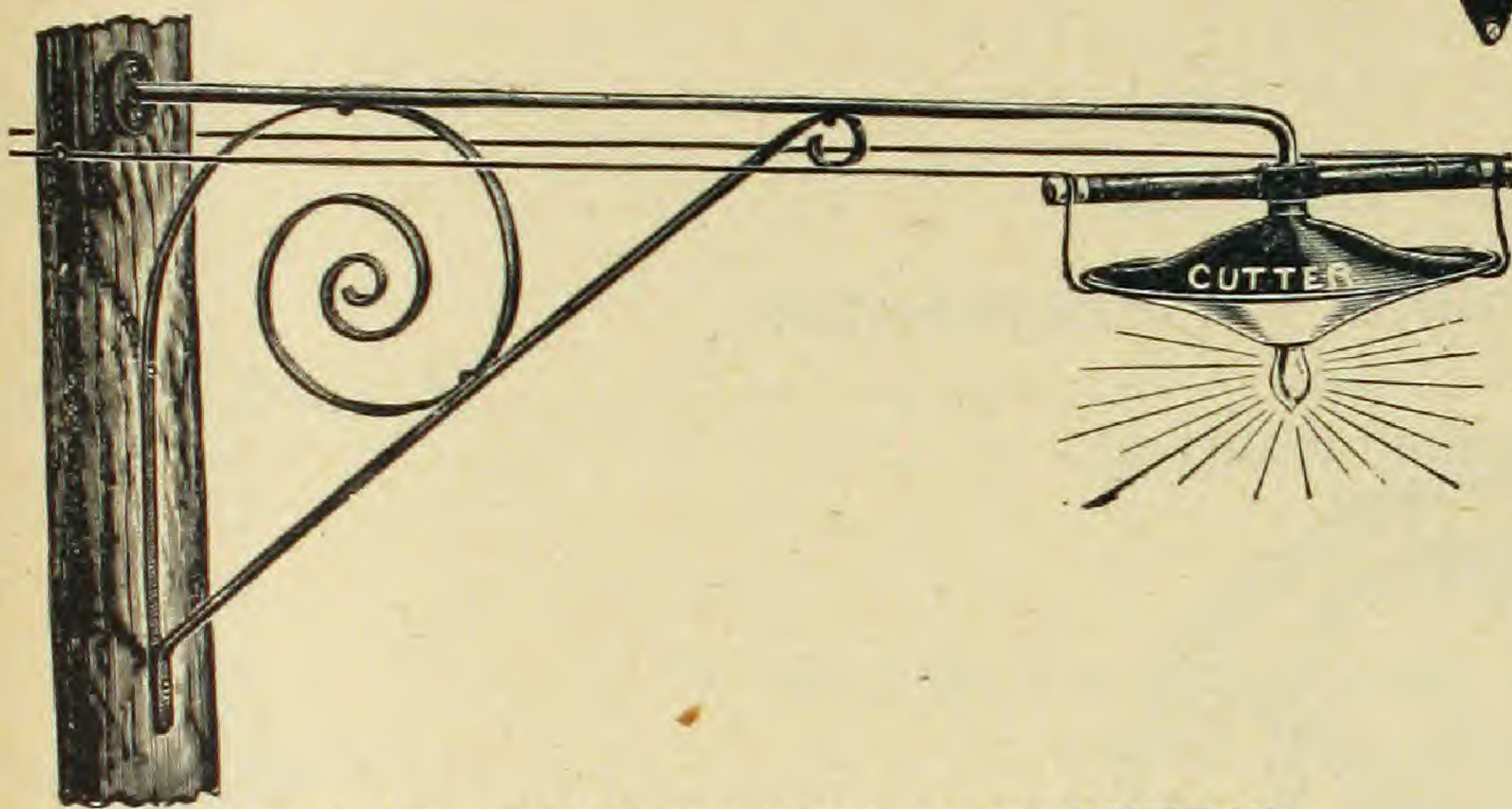
To save time, trouble and money, order Cutter's Streethoods complete as per our code words.



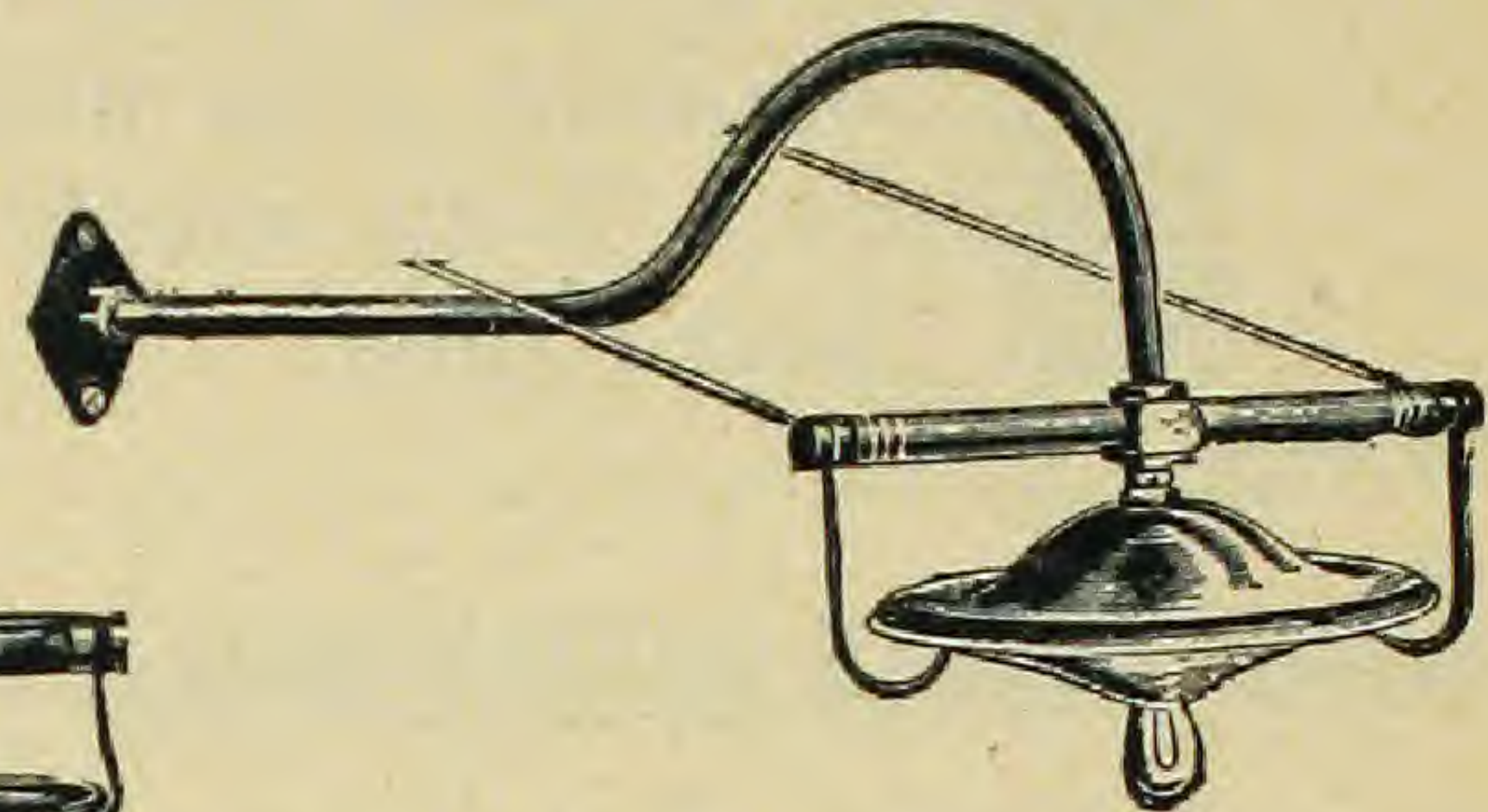
CUTTER'S URBAN STREETHOOD.



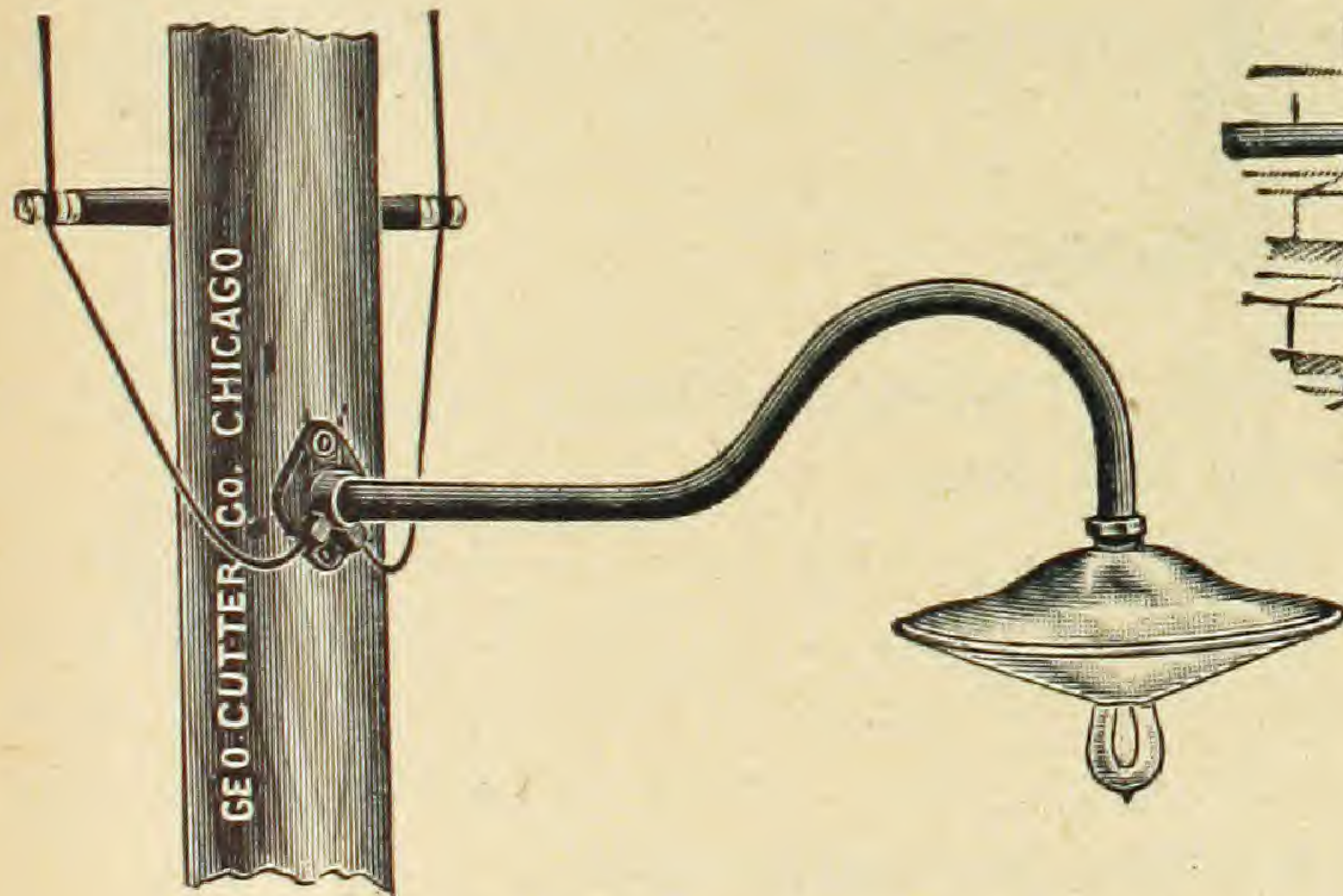
CUTTER'S HOTEL HOOD.



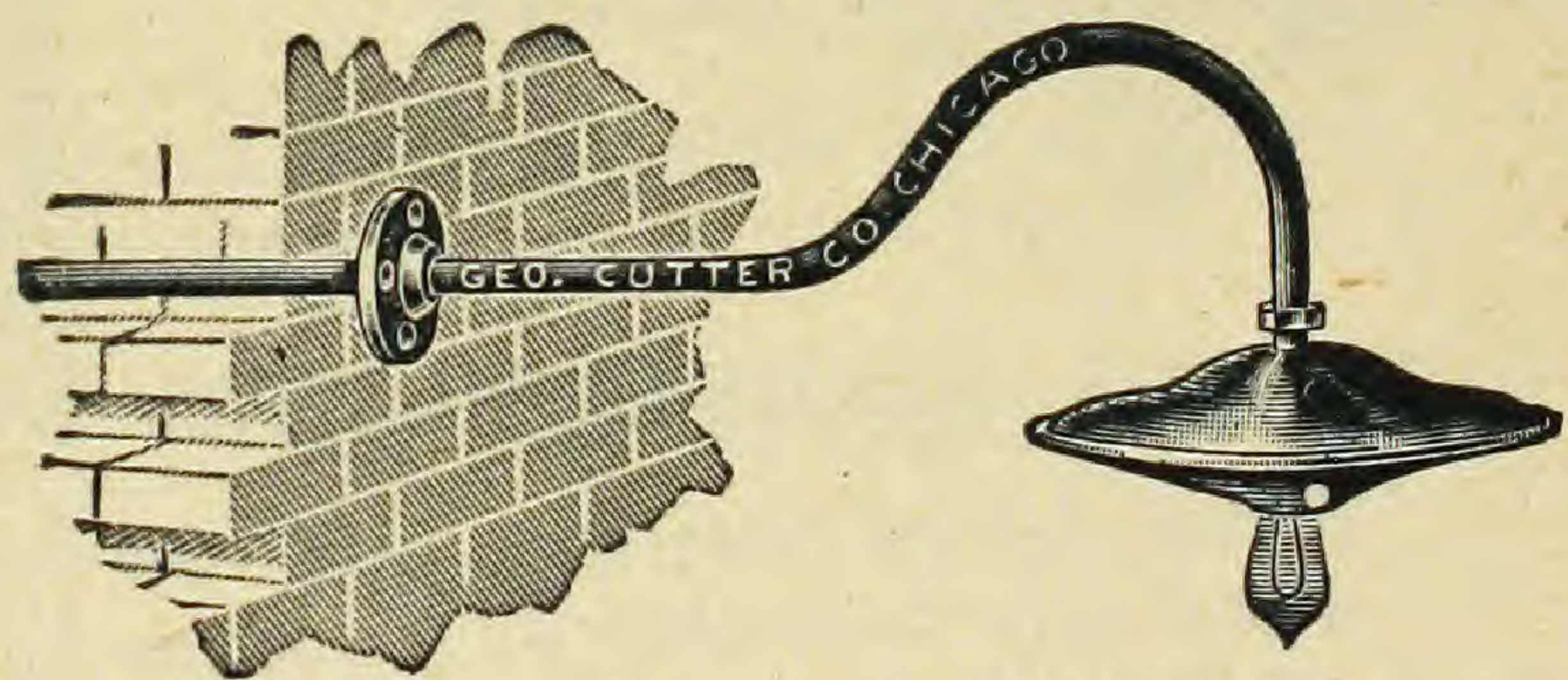
CUTTER'S BOULEVARD STREETHOOD.



CUTTER'S TWELVE-INCH BRACKET HOOD.



CUTTER'S INNER-WIRED HOOD.



CUTTER'S "WALL" HOOD.

CUTTER'S WALL HOOD

Has a pipe extending one foot inside of the flange, and holding the lamp three feet from the wall.

- With Porcelain shell Edison base socket.....(Venal) \$1.55
- Same with T-H base socket.....(Venally) 1.55
- Same without socket or nozzle.....(Venality) 1.30

For longer forms, add 7c per extra foot.

CUTTER'S CRESCENT HOOD

A NEAT fixture for use at the top of iron poles or wood poles.
 With Edison base socket and cap for 2-inch (bore) pipe.... (*Viable*) \$2.50
 With Edison base socket and cap for 2 1-2-inch (bore) pipe (*Viaduct*) 2.60
 With Series nozzle and cap for 2-inch (bore) pipe..... (*Viands*) 2.35
 With Series nozzle and cap for 2 1-2-inch (bore) pipe..... (*Vide*) 2.45
 (For similar 2-light fixtures add 25 cents; for 3-light
 50 cents, and for 5-light \$1.00).

CUTTER'S DRIVEWAY CROOK

AN ornamental fixture holding the lamp 14 feet above the ground.
 (Piping extends below the ground to steady the fixture).

Complete with hood, reflector and socket. (State base of socket
 wanted). With shank of 2 1-2 inches (bore) pipe and bend of 1 1-4-
 inch (bore) pipe.

Price (*Volant*) \$20.00

CUTTER'S DRIVEWAY CRANE

SAME as the above without the ornamentation.

Price (*Volatile*) 18.00
 (State base of socket wanted).

CUTTER'S TOP CROOK

WITH fitting for iron pipe of 1 1-4-inch bore
 Complete with hood, reflector and socket..... (*Volley*) \$3.00
 (State base of socket wanted).

CUTTER'S TOP CRANE

SAME as the above without the ornamentation..... (*Volleying*) \$2.00
 (State base of socket wanted).

CUTTER'S "OVERHANGING" HOOD

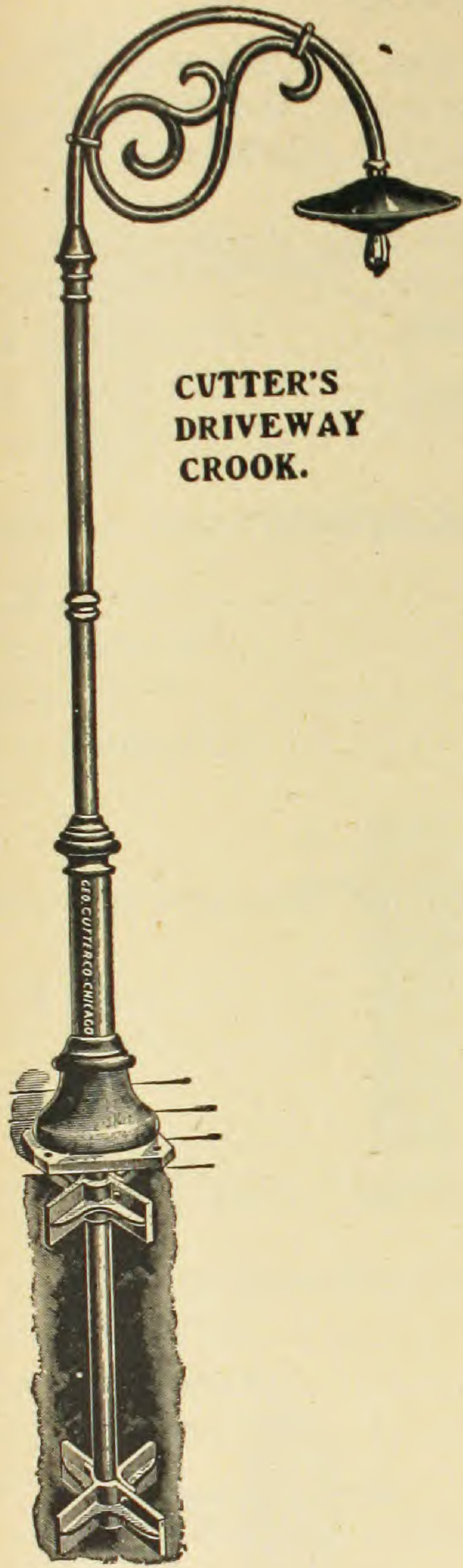
WITH 3-foot overhang and cap for 2 1-2-inch (bore) iron pipe, or a
 wood pole trimmed to 3 inches at the top.

With Edison base socket (*Votary*) \$2.50
 With T-H base socket (*Votive*) 2.50
 With Wghse. base socket (*Voter*) 2.50
 With Series nozzle (*Voting*) 2.35
 (For longer overhang, add 7 cents per extra foot).

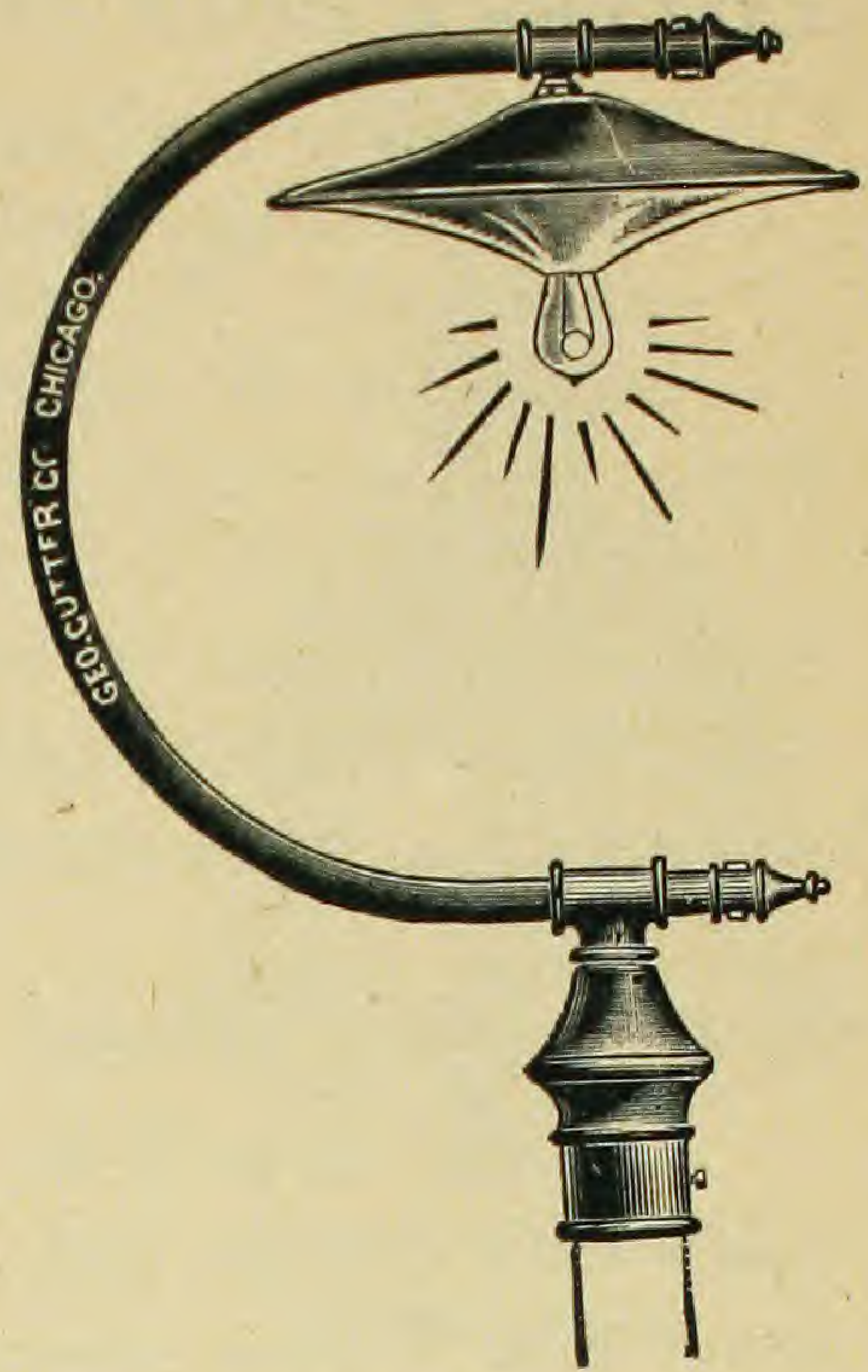
CUTTER'S RETURN BEND HOOD

With cap for wood poles (as per cut)..... (*Vulpine*) \$3.00
 With cap for iron pipe of 1 1-4 inch bore..... (*Vulgate*) 2.25
 With cap for 2-inch pipe..... (*Vulgarly*) 2.30
 With cap for 2 1-2 inch pipe..... (*Vulgarly*) 2.35
 (State base of socket wanted).

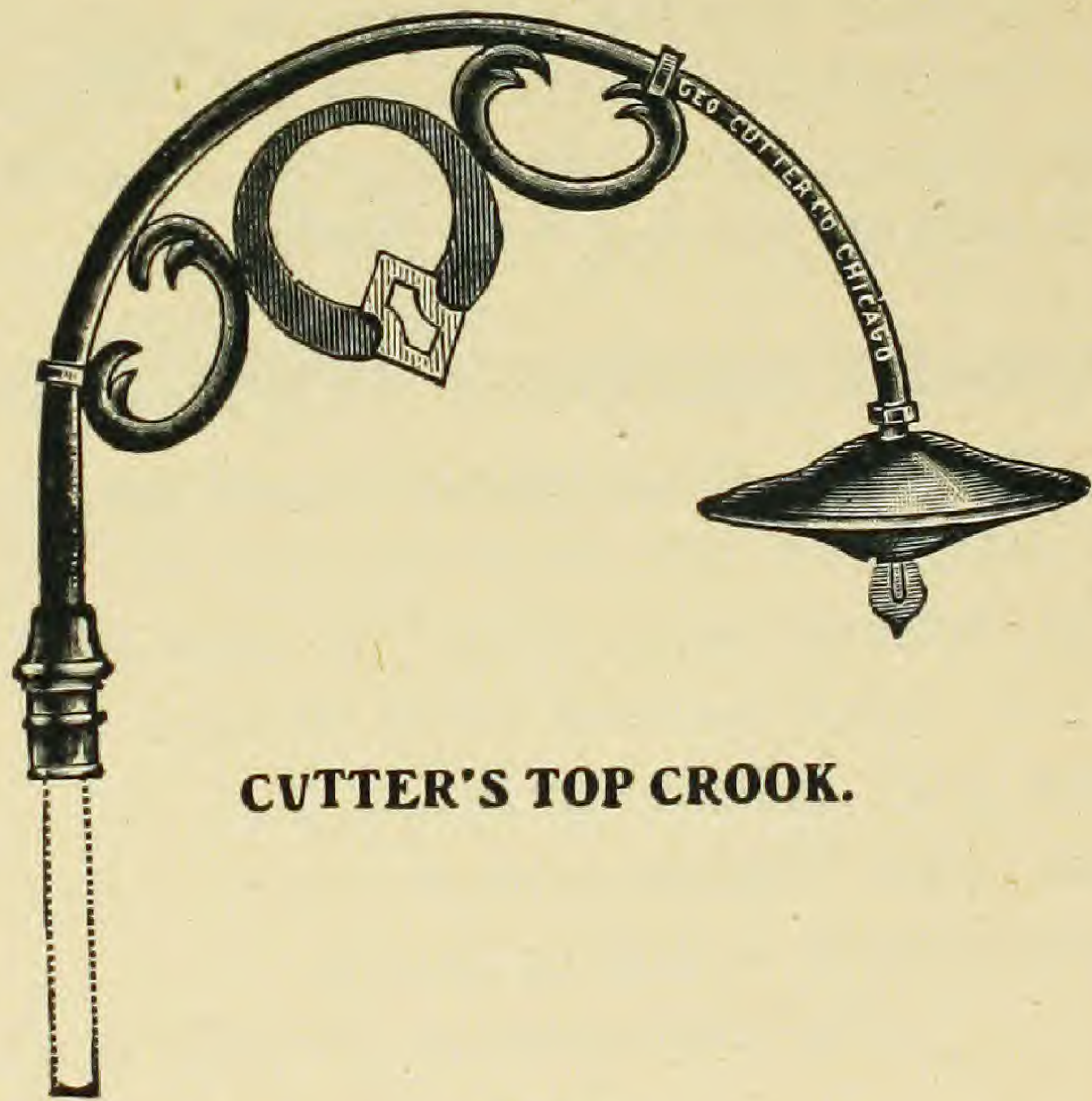
Special types of incandescent street fixtures furnished on short notice.



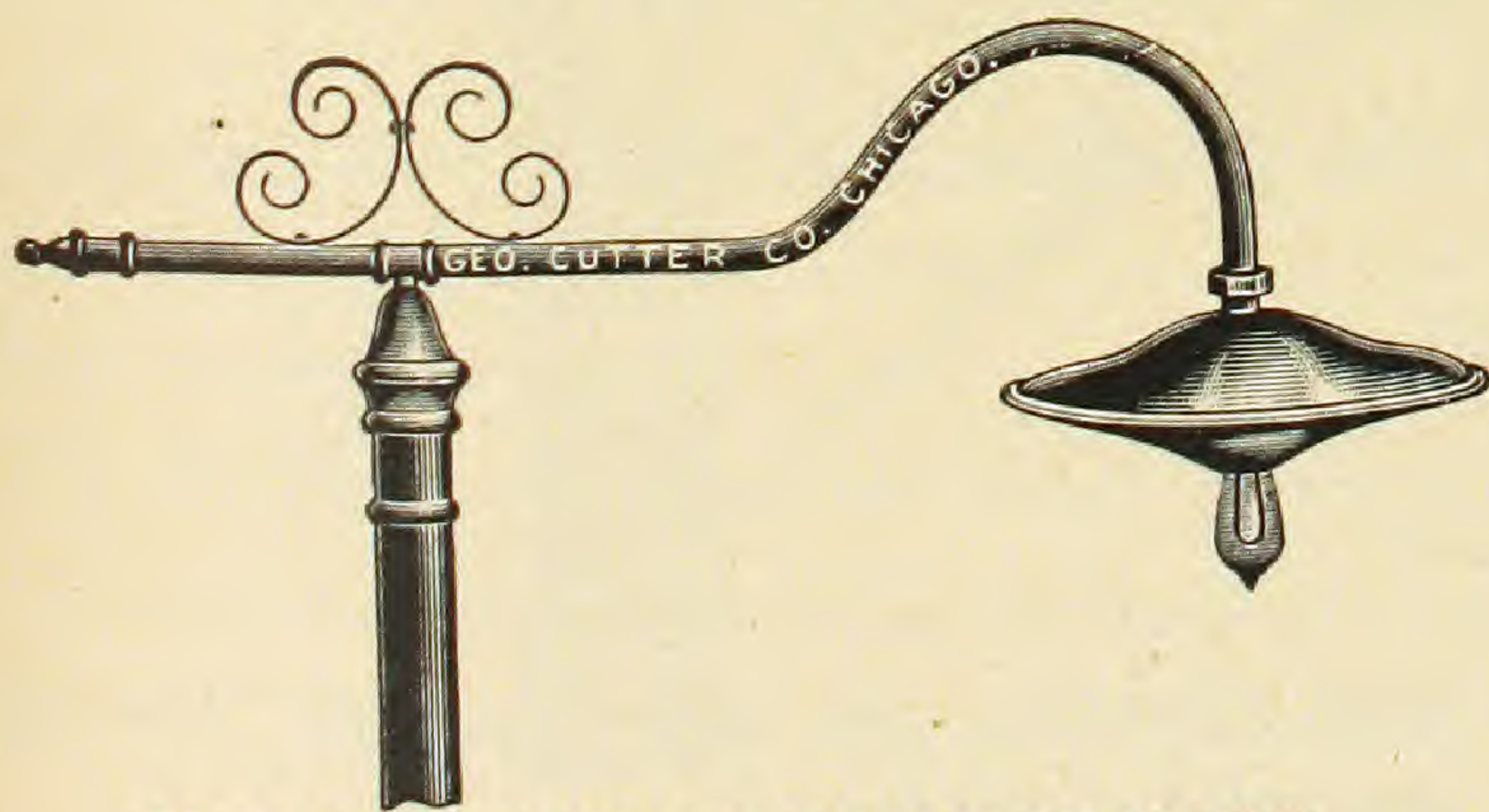
**CUTTER'S
DRIVEWAY
CROOK.**



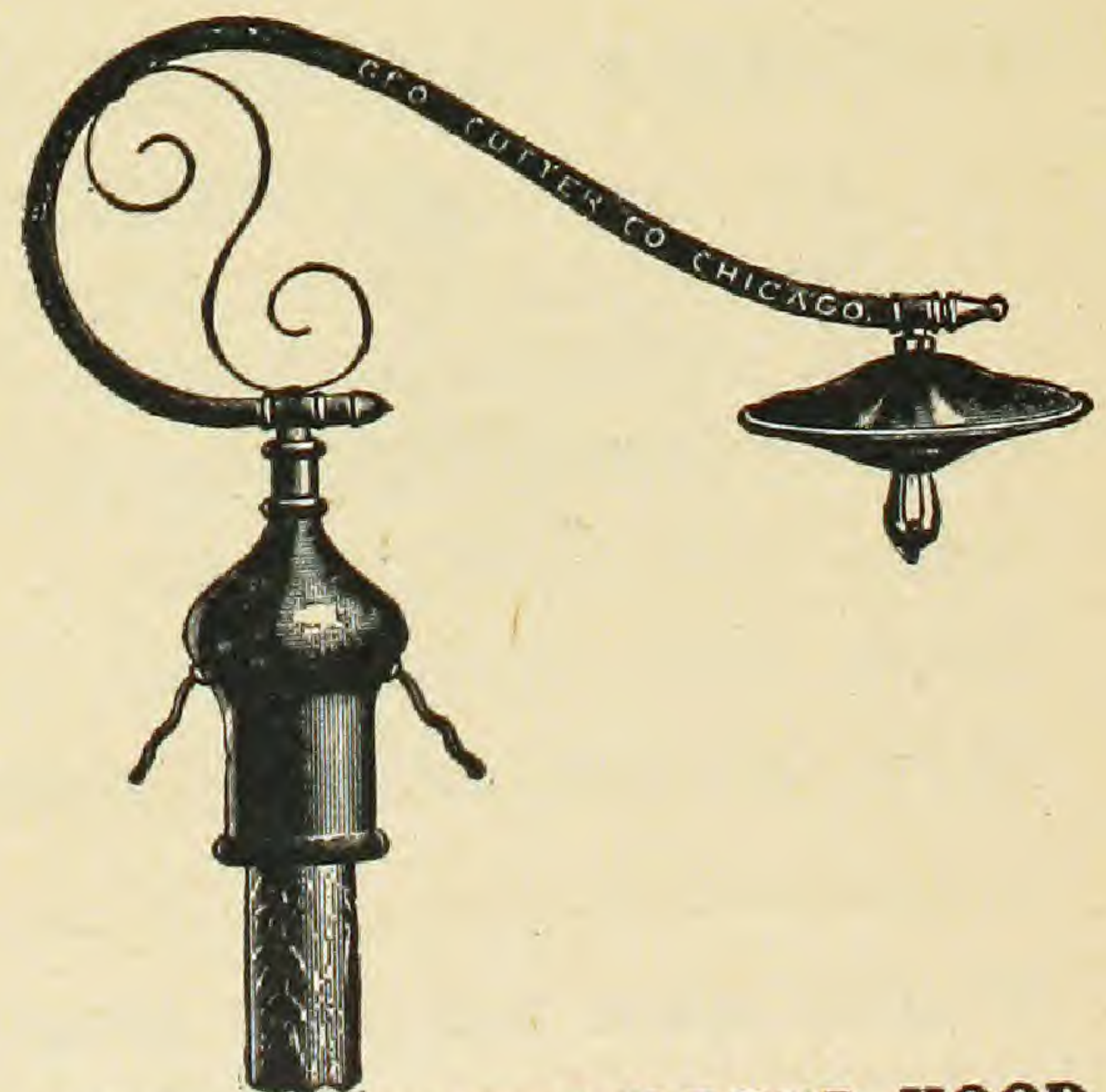
CUTTER'S CRESCENT HOOD.



CUTTER'S TOP CROOK.



CUTTER'S "OVERHANGING" HOOD.



CUTTER'S RETURN-BEND HOOD.

CUTTER'S HIGH VOLTAGE STREETHOOD

SIMILAR to the Standard Streethood (see page 53), but with a Cutter's High Voltage Insulator between the cross-arm and the supporting gooseneck. The only streethood giving a triple insulation between the socket and the supporting bracket arm.

Price, complete, with Brace-Arm, three-foot gooseneck, enameled cross-arm and T-H base porcelain shell socket.....	(Wrap)	\$2.35
Same with Edison socket.....	(Wrapping)	2.35
Same with Wghse. socket.....	(Wrapper)	2.35
Same without socket or nozzle	(Wheedle)	2.10

Cutter's High Voltage Streethood without Brace Arm

but with T-H socket	(Write)	\$2.07
Same with Edison socket.....	(Writing)	2.07
Same with Wghse. socket	(Written)	2.07
Same without socket or nozzle	(Wheeling)	1.82

CUTTER'S HOOD INSULATOR

EASILY inserted between the gooseneck and the cross-arm on bracket streethoods to adapt them for the higher voltages.

With fittings for 1-2-inch (bore) pipe	(Young)	\$0.50
With fittings for 3-4-inch (bore) pipe	(Yodel)	.50

CUTTER'S EASTERN STREETHOOD

CONSISTS of the "Iron Arm" hood with a High Voltage Insulator between the iron cross-arm and the gooseneck.

Price, without Brace-Arm, but with the three-foot gooseneck and T-H base porcelain shell socket.....	(Yeoman)	\$2.17
Same with Edison socket	(Yeomanry)	2.17
Same with Wghse. socket	(Yesterday)	2.17
Same without socket or nozzle	(Yew)	1.92

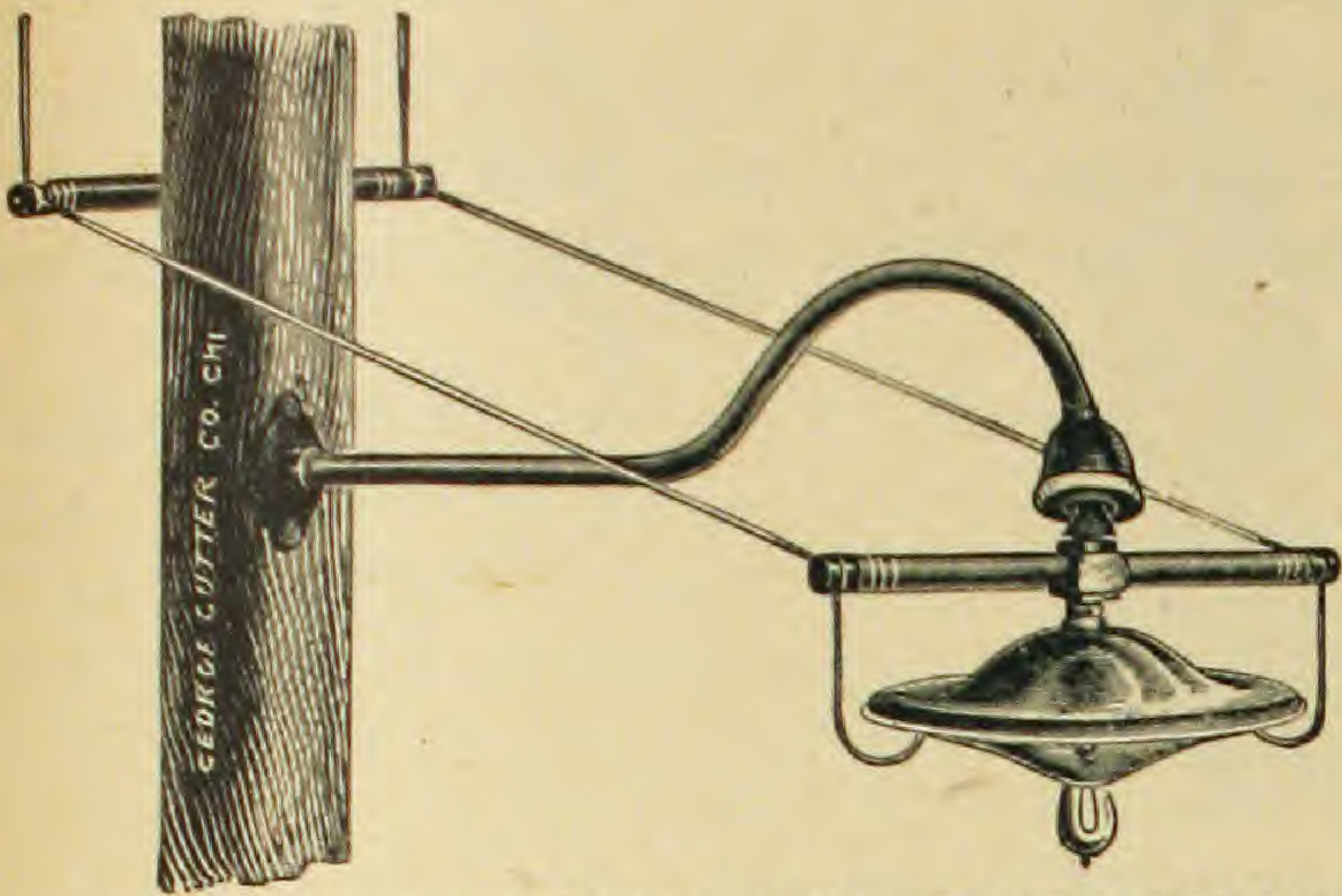
(For brace-arm as pictured at back of pole, add 28 cents).

CUTTER'S "AVENUE" STREETHOOD

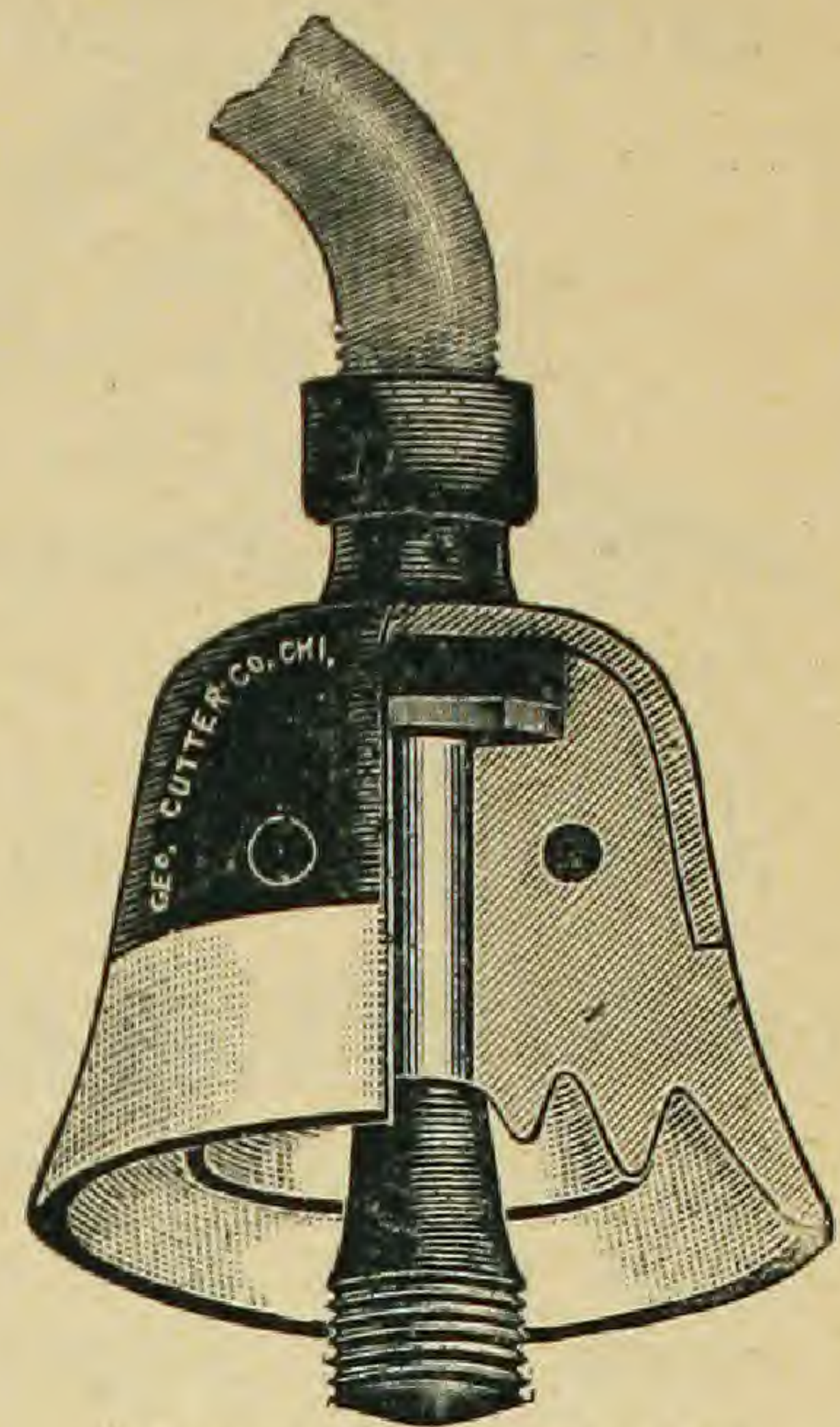
AN ornamental bracket streethood similar to Cutter's "Boulevard" Streethood, with a High Voltage Insulator to adapt the fixture for use on high potential circuits.

Without brace-arm, but with T-H base porcelain shell socket..	(Zebra)	\$2.70
Same, with Edison socket	(Zenith)	2.70
Same, with Westinghouse socket	(Zephyr)	2.70
Same, without socket or nozzle	(Zero)	2.45

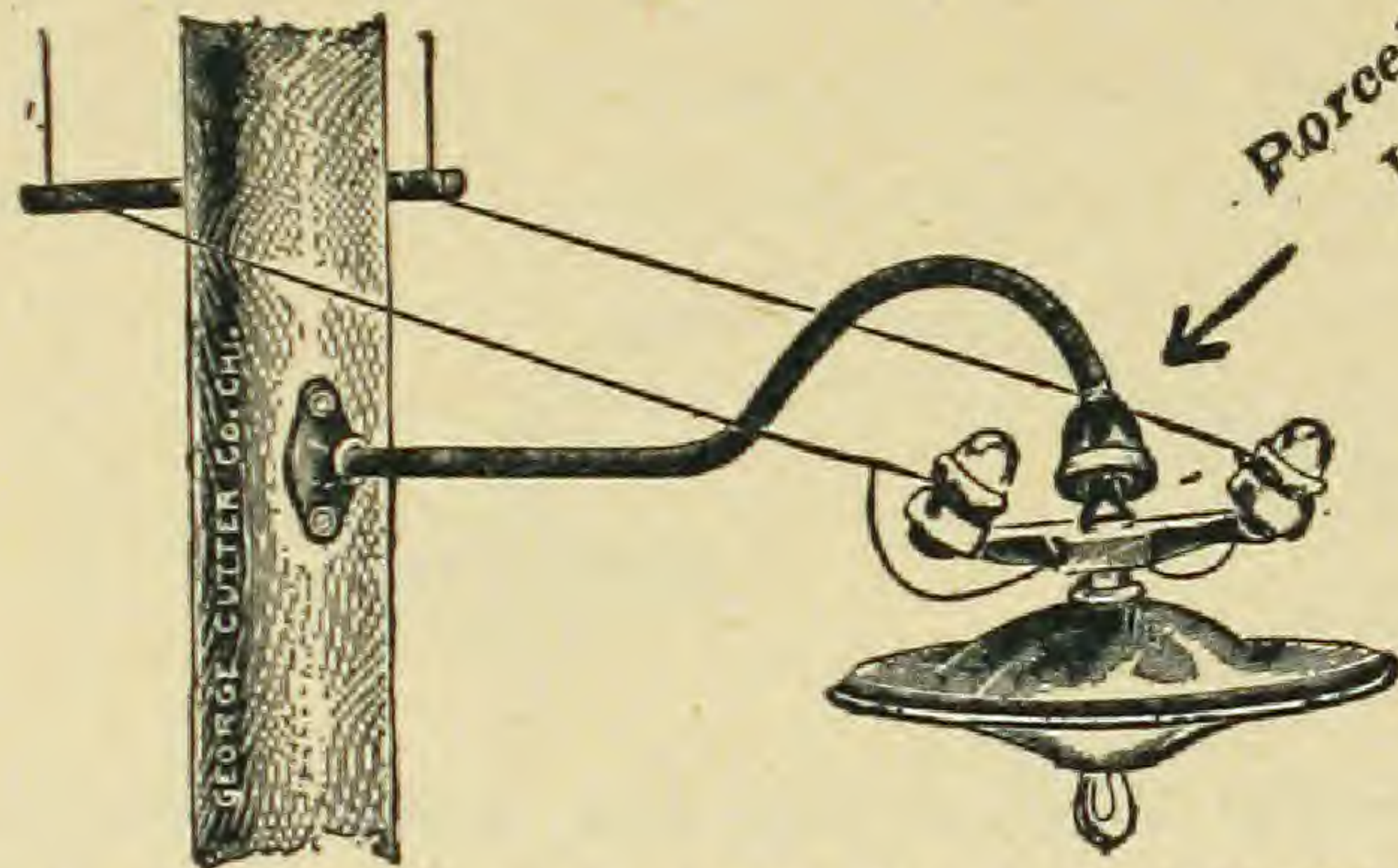
If you want the most practical and durable, see that you get "George Cutter's" complete outfits.



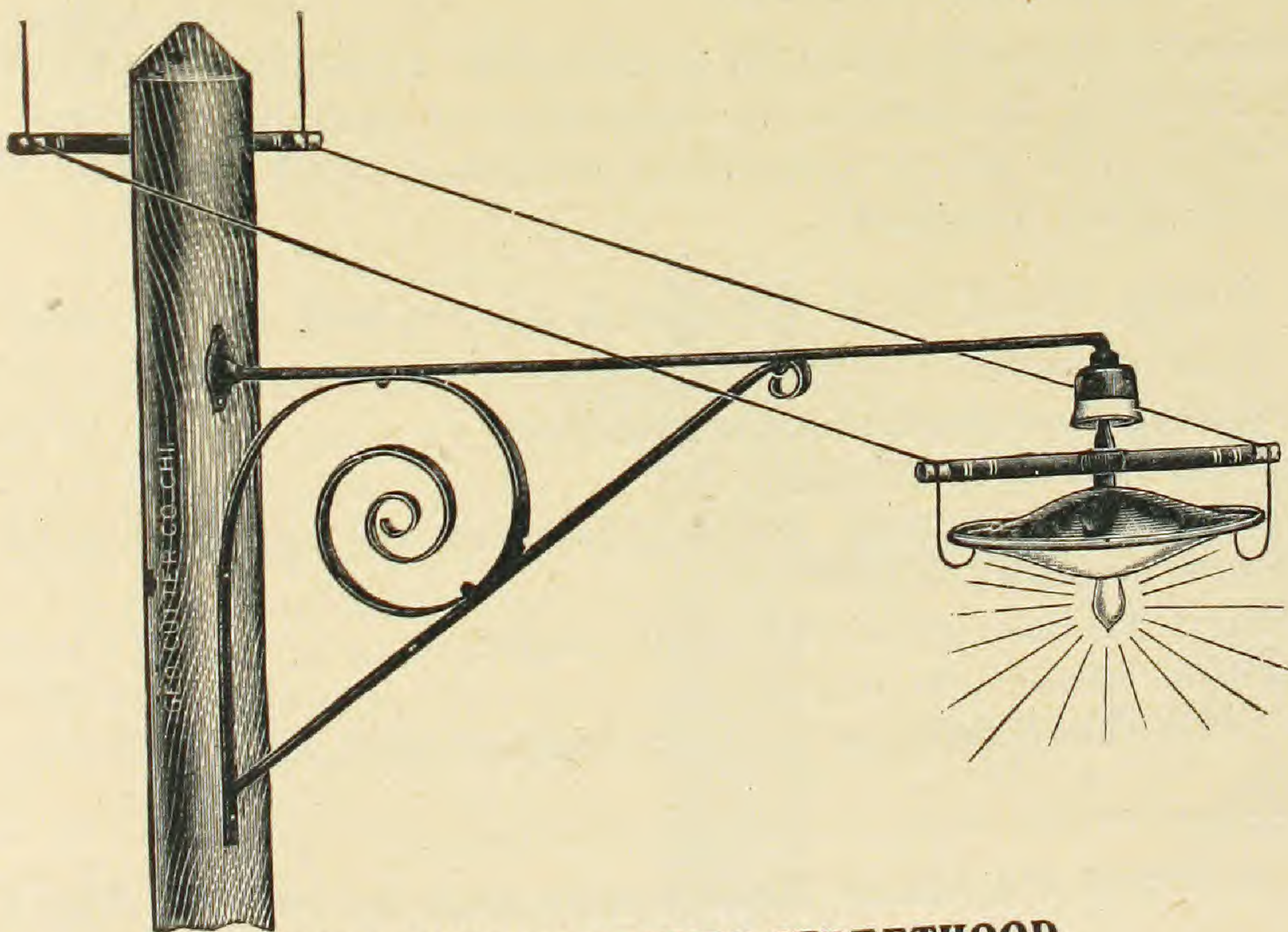
CUTTER'S HIGH VOLTAGE STREETHOOD.



CUTTER'S HOOD INSULATOR.



CUTTER'S EASTERN STREETHOOD.



CUTTER'S "AVENUE" STREETHOOD.

CUTTER'S PLATFORM CRANE

A NEAT fixture for supporting incandescent lamps on depot platforms and the like. Has a base to bolt to the floor, and holds the lamp 8 feet above the floor, and has Cutter's Streethood to protect the socket and distribute the light evenly.

With Edison socket	(Vertebra)	\$4.25
Same, 2-light	(Vertebrate)	4.50
Same, 3-light	(Vertebrate)	4.75
Same, with 5-light	(Vertex)	5.25

CUTTER'S PLATFORM CROOK

SIMILAR to the above, but ornamented as per cut.

With single Edison base socket	(Vertical)	\$5.00
Same, with 2-light	(Vertically)	5.25
Same, 3-light	(Vertiginous)	5.50
Same, 5-light	(Vertigo)	6.00

CUTTER'S ELITE STREETHOOD

A FIVE-FOOT ornamental bracket, with hood and reflector arranged for inner wiring, and with heavy (3-4-inch bore) piping.

With Edison socket	(Volcano)	\$2.00
With T-H socket	(Volcanic)	2.00
With Wghse. socket	(Voltaic)	2.00
With Series nozzle only.....	(Voltaism)	1.85

CUTTER'S CAP HOOD

A BRACKET STREETHOOD with a cap for 5-inch woodpoles. Arranged for inner wiring and furnished with or without Cutter's Streethood socket.

Cutter's Cap Hood with Edison base (porcelain shell) socket.....	(Valid)	\$2.00
Same, with T-H base socket	(Validly)	2.00
Same, without socket or nozzle	(Validity)	1.75

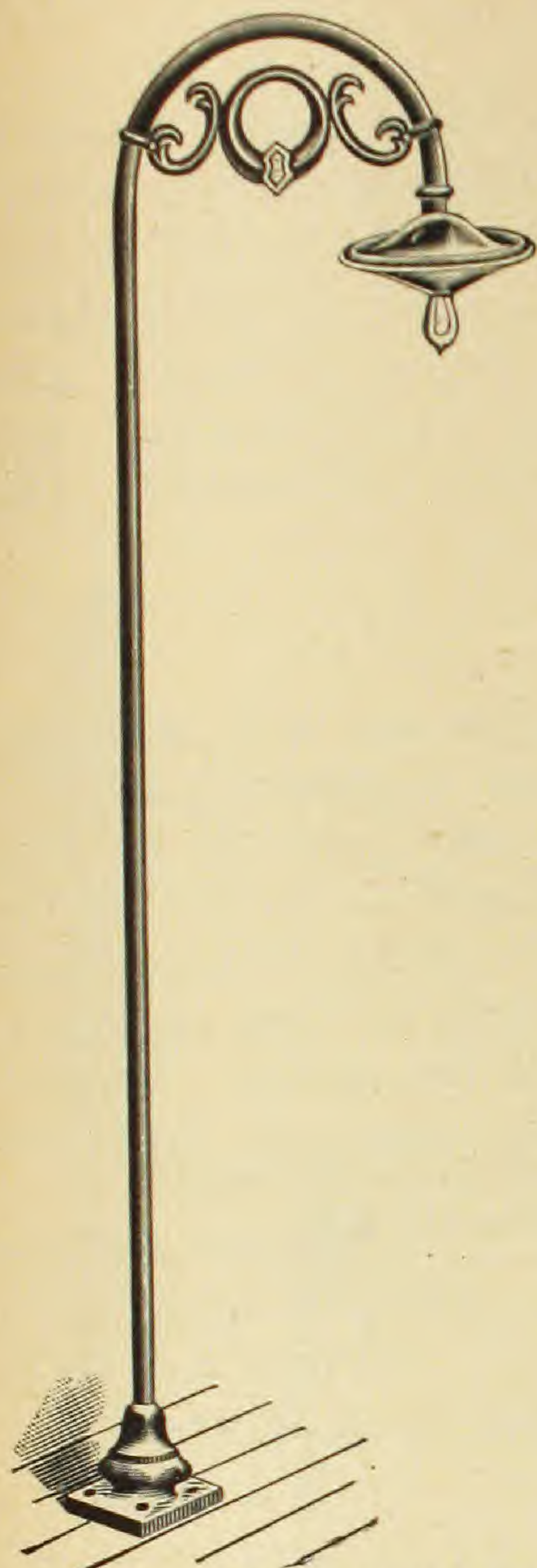
CUTTER'S TILTING HOOD

A BRACKET STREETHOOD with a reversible clamp at the end of the gooseneck allowing the hood to be horizontal or tilted as pictured. Regularly furnished with 3-foot gooseneck insulated from the hood by a double petticoat glass insulator.

Cutter's Tilting Hood, with gooseneck of 1-2-inch piping, and with Edison socket	(Valet)	\$2.00
Same with T-H base porcelain shell socket.....	(Valiant)	2.00
Same without socket or nozzle	(Valetude)	1.85
Cutter's Tilting Hood, with 5-foot gooseneck of 3-4-inch piping and with Edison socket.....	(Valise)	2.25
Same with T-H base porcelain shell socket.....	(Vallation)	2.25
Same without socket or nozzle.....	(Vallating)	2.00

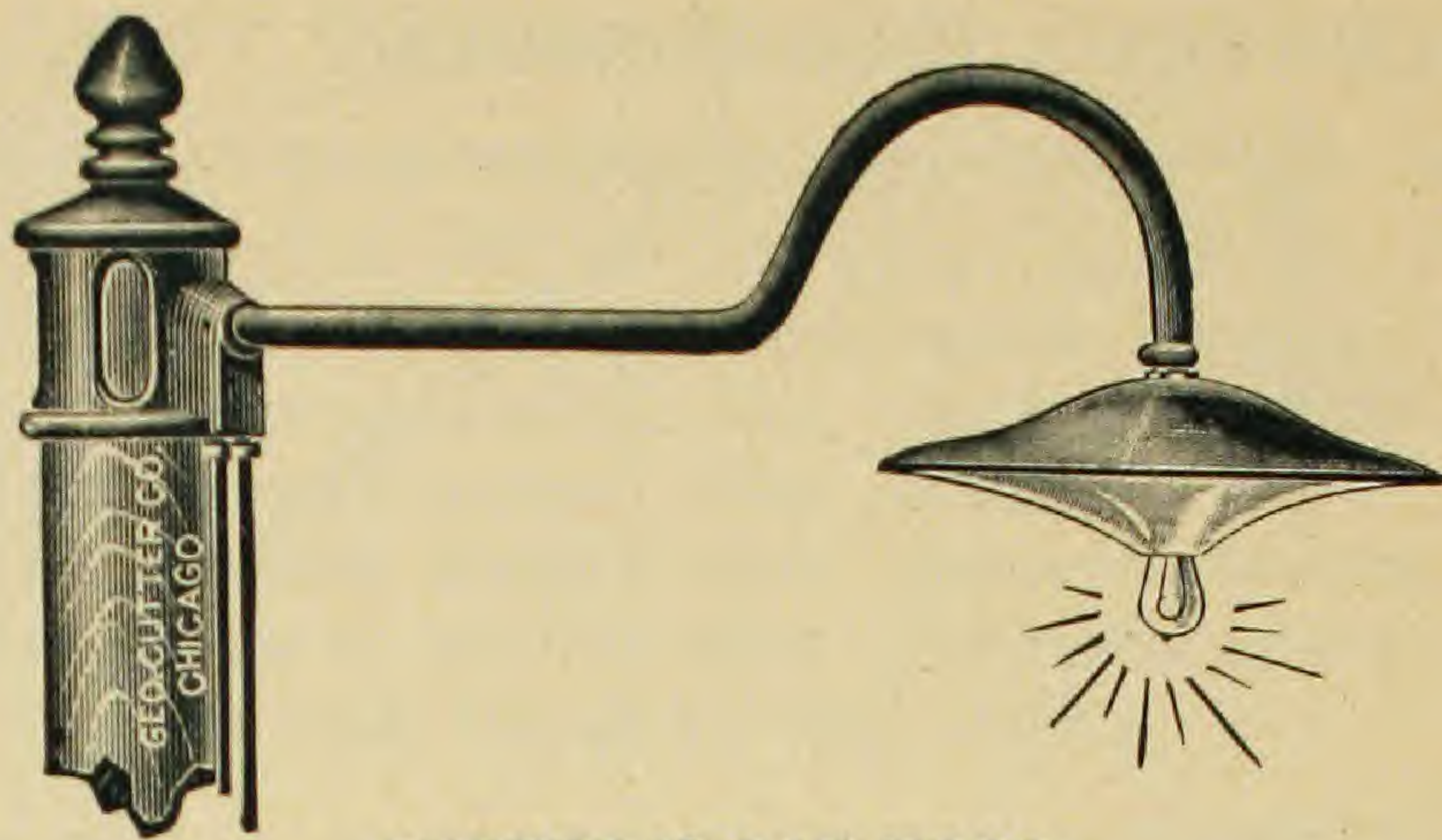
For Brace-Arm as shown at back of pole, add 28 cents).

You can treble the life of your streethoods by using Cutter's Paints.
(See page 50.)

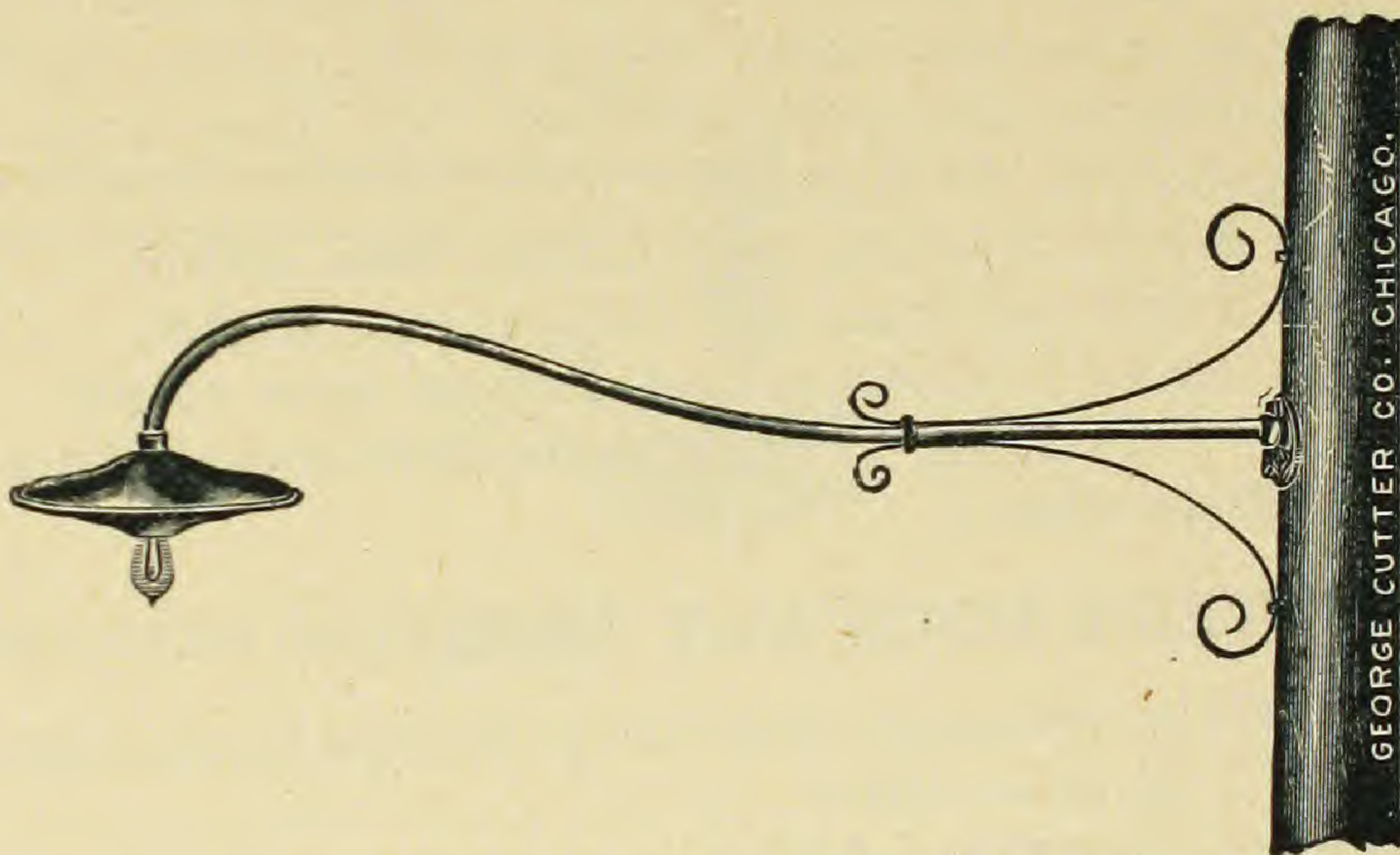


CUTTER'S PLATFORM CROOK.

"VERTICAL."



CUTTER'S CAP HOOD.

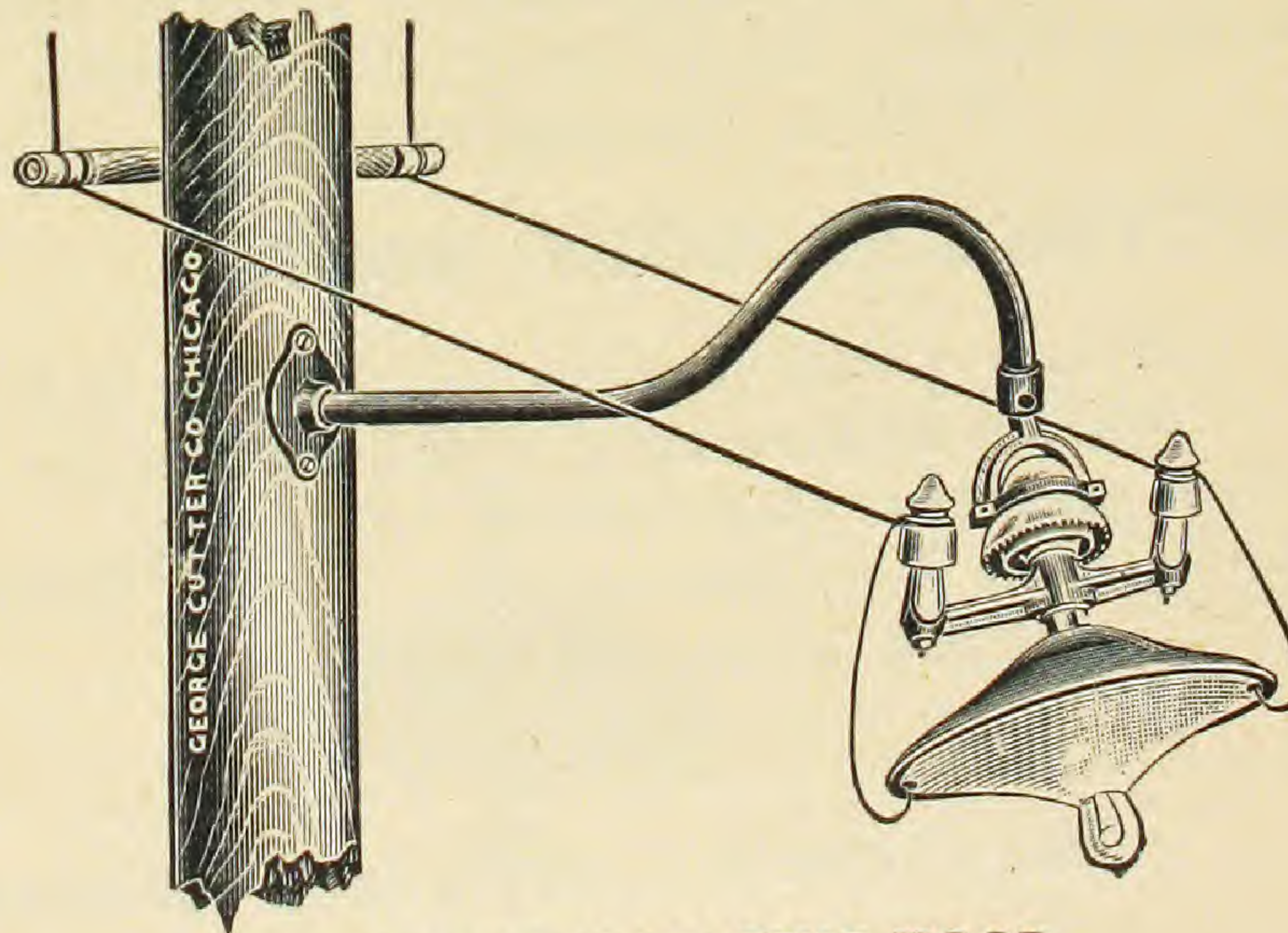


CUTTER'S ELITE STREETHOOD.



CUTTER'S PLAT- FORM CRANE.

"VERTEBRA."



CUTTER'S TILTING HOOD.

CUTTER'S INCANDESCENT TRUSS

A NOVEL type of fixture which allows the lamp to be readily lowered. Strong, easily put up and complete with outer lamp-supporting pulley, hood, cross-arm and socket. Built in lengths of 6, 8, 10 and 12 feet

6-foot overhang, with Edison base socket.....	(Vacant)	\$4.00
8-foot overhang, with Edison base socket.....	(Vacate)	4.60
10-foot overhang, with Edison base socket.....	(Vacating)	5.20
12-foot overhang, with Edison base socket.....	(Vacation)	5.80

(State base of socket wanted).

CUTTER'S INCANDESCENT MAST-ARM

AN unusually complete and practical mast-arm for use with incandescent street lights. Has a curved pole-plate, inner weatherproof pulley and outer Petite (lamp supporting) pulley (see page 64). Strain rods run from the headpiece to a wrought-iron arm bolted to the back of the pole, thus making a strong and firm fixture. The hood, cross-arm and socket are the same as in Cutter's Standard Streethood (see page 52). the cross-arm being bolted to the safety knob of the pulley. Shipped complete with pulleys, strain rods, iron strain arm, cross-arm, hood and porcelain shell socket.

With 6-foot overhang and Edison base socket.....	(Whopping)	\$3.50
With 8-foot overhang and Edison base socket.....	(Wholesaling)	3.75
With 10-foot overhang and Edison base socket	(Whortling)	4.00

(T-H or Westinghouse base sockets furnished at same price if specified.)

CUTTER'S DOORWAY HOOD

WITH cross-arm and flange for use in doorways, on bridges, etc.

With T-H base socket	(Wonder)	\$1.20
With Edison base socket	(Wondering)	1.20
With Westinghouse base socket	(Wonderful)	1.20
Without socket or nozzle	(Wonted)	.95

CUTTER'S BRIDGE HOOD

HAS no separate reflector, but a hood with ornamental edge and bright interior, designed to throw the light straight down.

With single (porcelain shell) Edison socket.....	(Velocity)	\$1.00
With 3 sockets (as per cut), Edison base.....	(Velocipede)	1.50

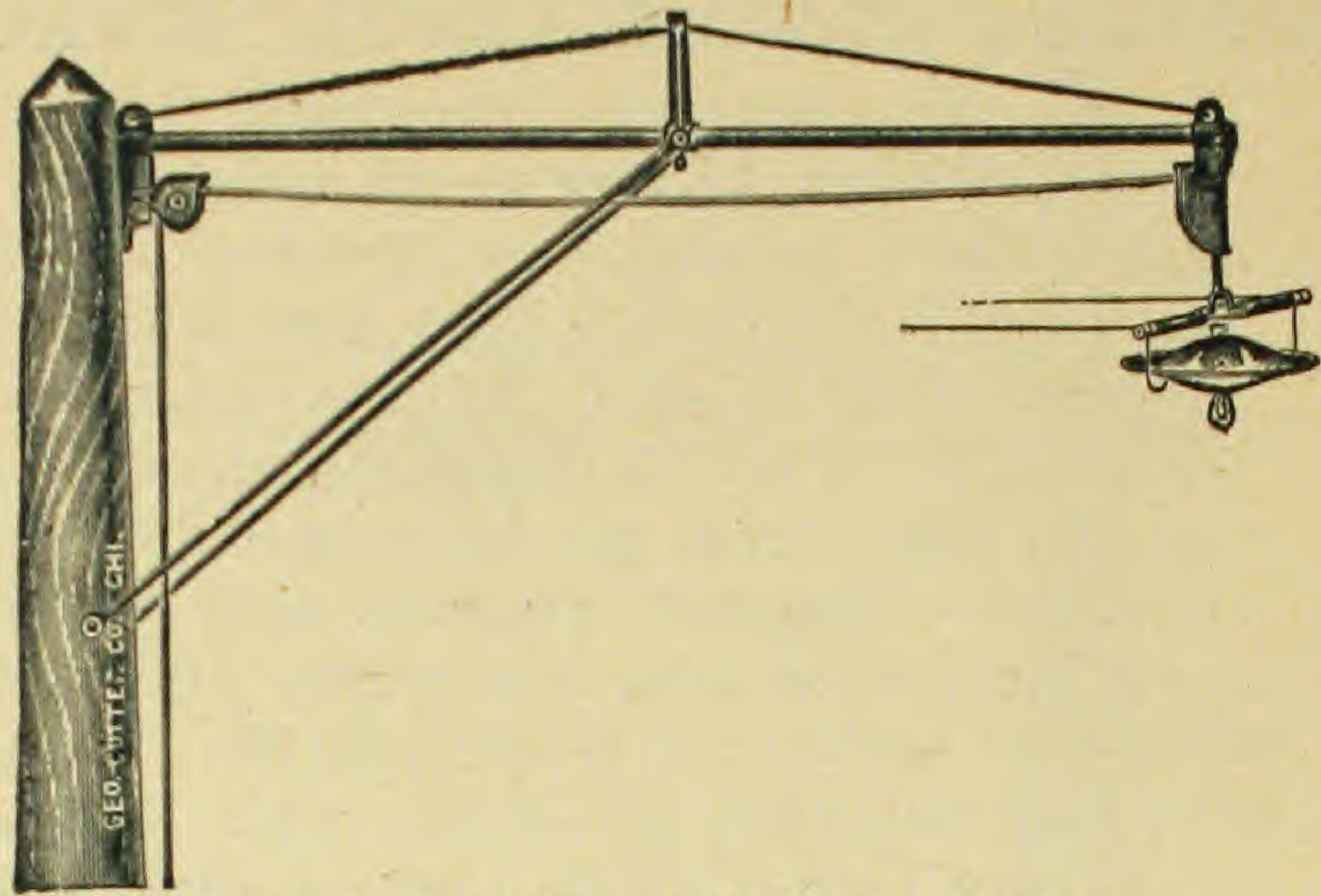
(T-H or Westinghouse base sockets furnished at same price).

CUTTER'S FACTORY HOOD

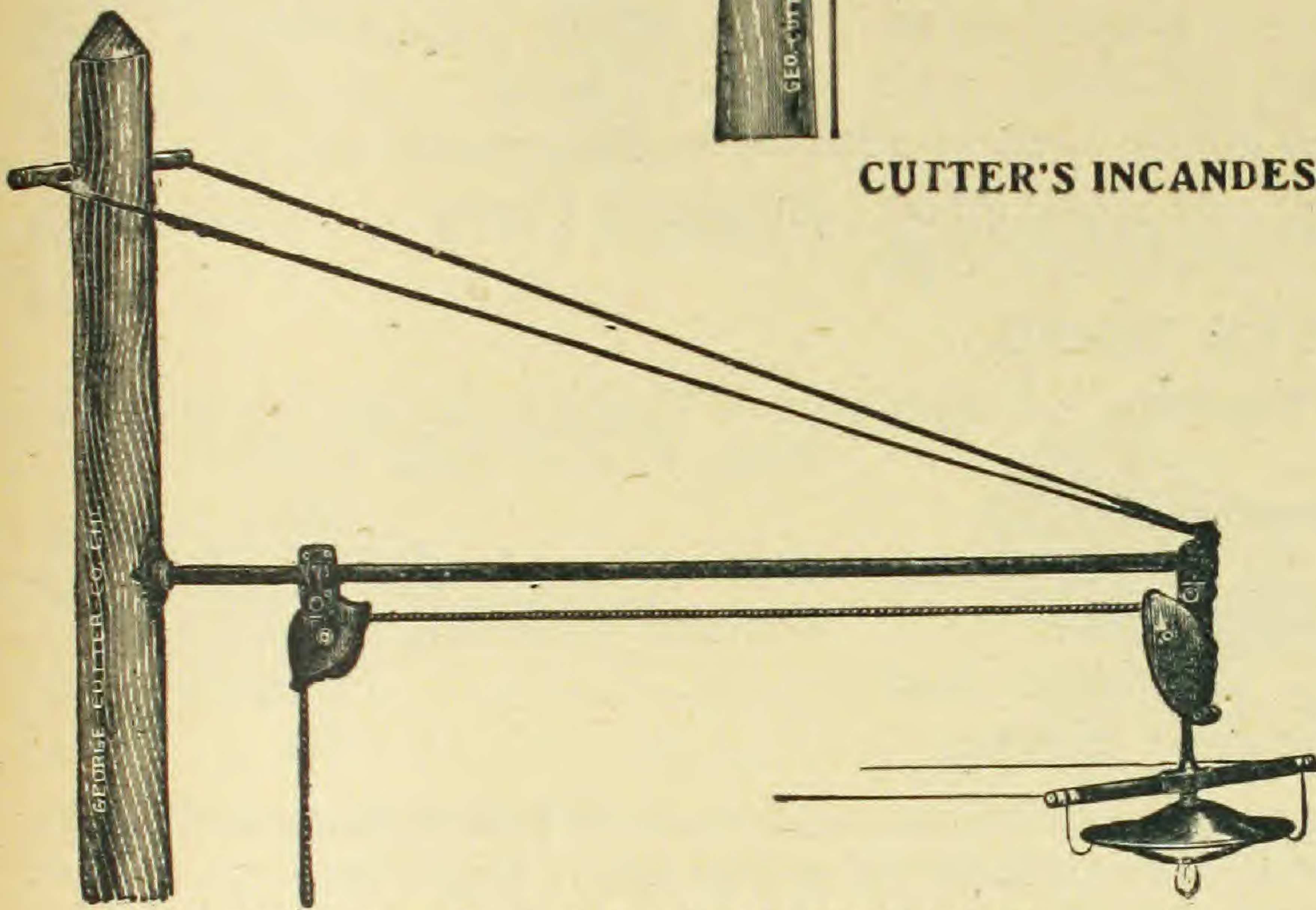
HAS a 3-foot bracket with a flat wall-plate arranged for inner wiring, and a scalloped hood which throws the light straight down.

With porcelain shell Edison socket.....	(Velvet)	\$1.25
Same, with T-H base socket.....	(Velveteen)	1.25
Same, without socket or nozzle	(Vellum)	1.00

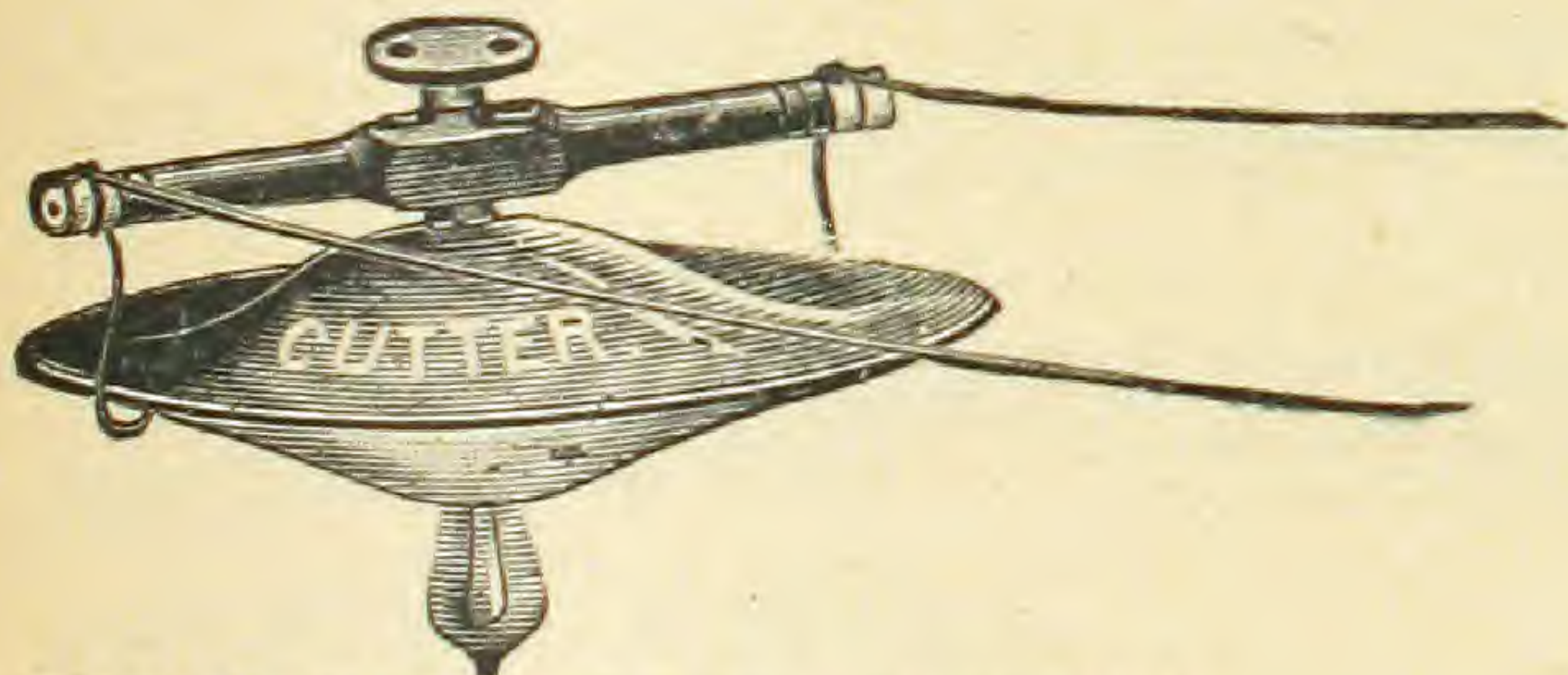
Use Cutter's $\frac{1}{4}$ or $\frac{5}{16}$ -inch "Banner Core" Rope for Cutter's Incandescent Mast-Arm.



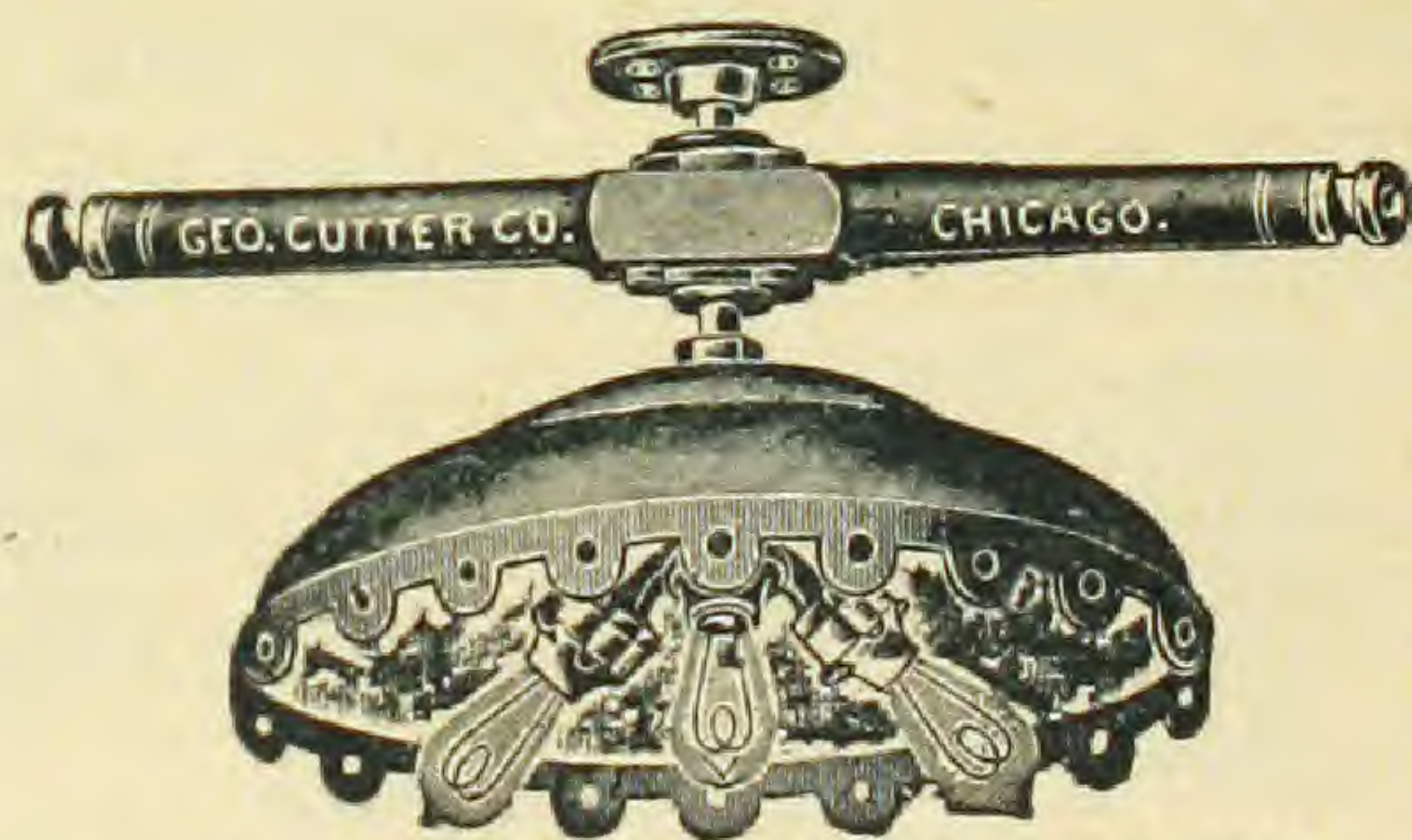
CUTTER'S INCANDESCENT TRUSS.



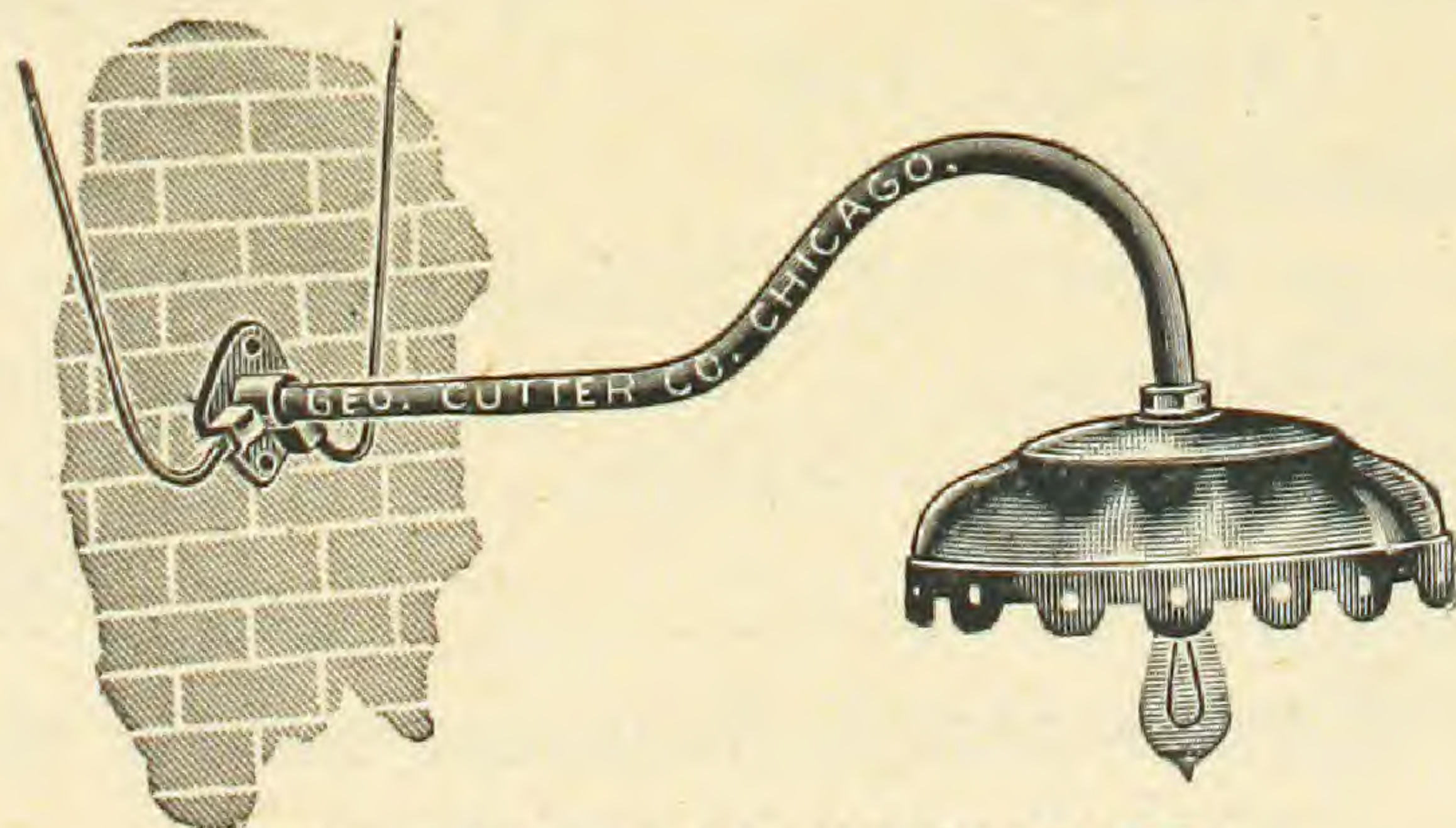
CUTTER'S INCANDESCENT MAST ARM.



CUTTER'S DOORWAY HOOD.



CUTTER'S BRIDGE HOOD.



CUTTER'S FACTORY HOOD.

CUTTER'S "ALWAYS LEVEL" STREETHOOD

Is the only suspension streethood that will stay level in windy weather. The two wires leading to the hood make up one side of the suspension, while cords passing over covered pulleys form the other side, so that the hood is supported from four points. The pulleys are mounted on a wrought-iron bracket, while a wrought-iron brace-arm is used at the other pole. Then an adjusting clamp is placed at the end of each cord, so that these cords can be independently drawn up taut and then locked together. Shipped complete with porcelain shell socket, spreader-tip arm, iron brace arm, iron pulley arm and pair of adjusting clamps.

- With T-H socket... (*Widen*) \$3.00
- With Edison socket. (*Widely*) 3.00
- With Wghse. socket (*Widow*) \$3.00
- Without socket... (*Widower*) 2.75
- (For Cutter's Pole Lock in addition to above outfit add 40 cents.)
- Iron Brace Arm... (*Wicket*) \$0.60
- Iron Pulley Arm. (*Wickedly*) 0.70
- Adjusting Clamp.... (*Wick*) \$0.15

CUTTER'S CENTER HOOD

- WITH spreader-tip arm. (Center part of Cutter's Always Level Street-hood.)
- With Edison base socket..
- (*Vivid*) \$1.40
- With T.-H. base socket...
- (*Vividly*) 1.40
- With Wghse. base socket...
- (*Vividness*) \$1.40
- With Series Nozzle. (*Vivify*) 1.25
- Without socket or nozzle..
- (*Vivisect*) 1.15

CUTTER'S SWINGING HOOD

THIS older form of suspension streethood, while not equal to the Always Level hood, is still very popular in places where high winds are rare, or where the higher first cost bars out the other form of suspension. It is fitted direct to the knob of a Cutter's Petite (lamp-supporting) Pulley, and furnished complete with cross-arm and Cutter's Streethood Socket.

- Price, with Petite pulley and Edison socket..... (*Weary*) \$1.70
- Same with Petite pulley but without socket or nozzle (*Wearying*) 1.45
- Price, with Petite pulley and T-H socket..... (*Weather*) 1.70
- Price, with Petite pulley and Westinghouse socket.... (*Weathering*) 1.70
- Cutter's Petite Pulley alone, with knob..... (*Wrinkle*) \$0.50
- Cutter's Midget Pole Pulley for use with swinging hoods. (*Wanderer*) 0.30
- Cutter's Midget Changeable Pulley (*Wampum*) 0.35

Cutter's Looped Hood

A SIMILAR suspension hood with enameled cross-arm and porcelain shell socket.

- With T-H base socket....
- (*Zibet*) \$1.20
- With Edison base socket..
- (*Zigzag*) 1.20
- With Westinghouse base..
- socket (*Zither*) \$1.20
- Without socket or nozzle..
- (*Zion*) .95

Cutter's 3-Light Looped Hood

- Similar to the above, but fitted with 3 Edison base sockets.. (*Ventral*) \$1.70
- Same, with T-H base sockets..... (*Ventricle*) 1.70
- 5-light Looped Hood with Edison sockets..... (*Ventriloquism*) 2.20
- Same with T-H sockets..... (*Ventriloquist*) 2.20

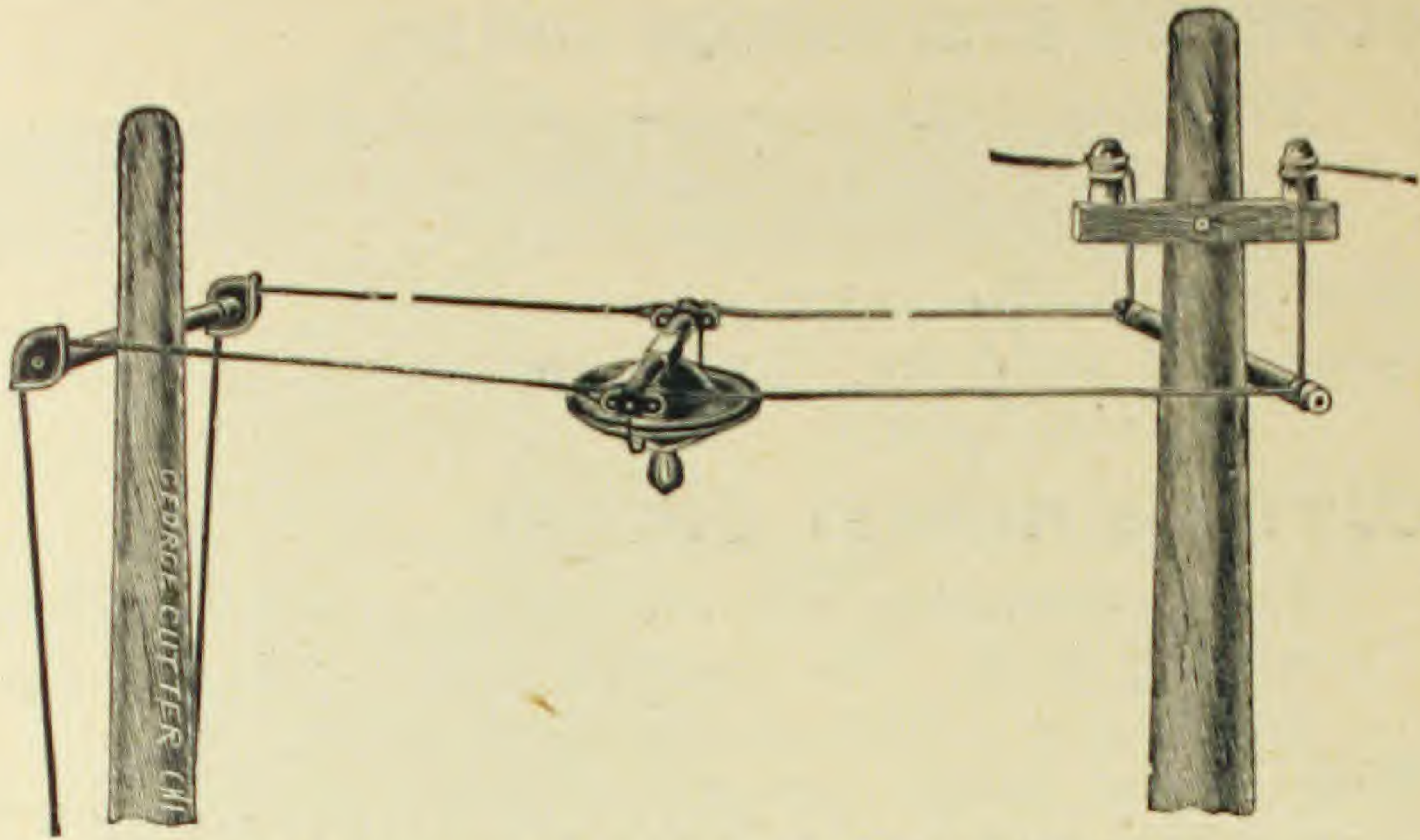
To treble the life of your street fixtures, recoat them occasionally with Cutter's Paints.



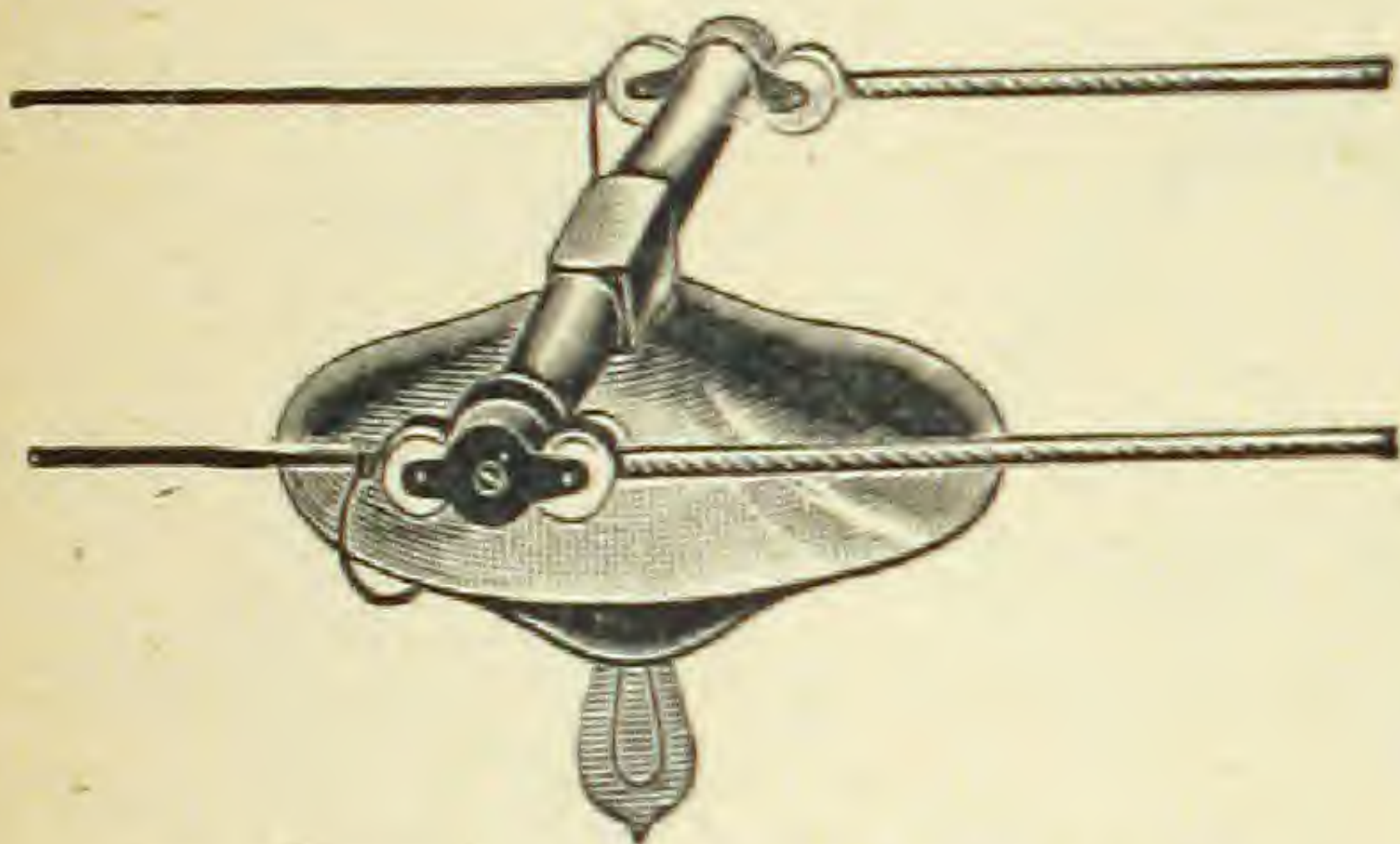
Cutter's Spreader-Tip
"Widening."



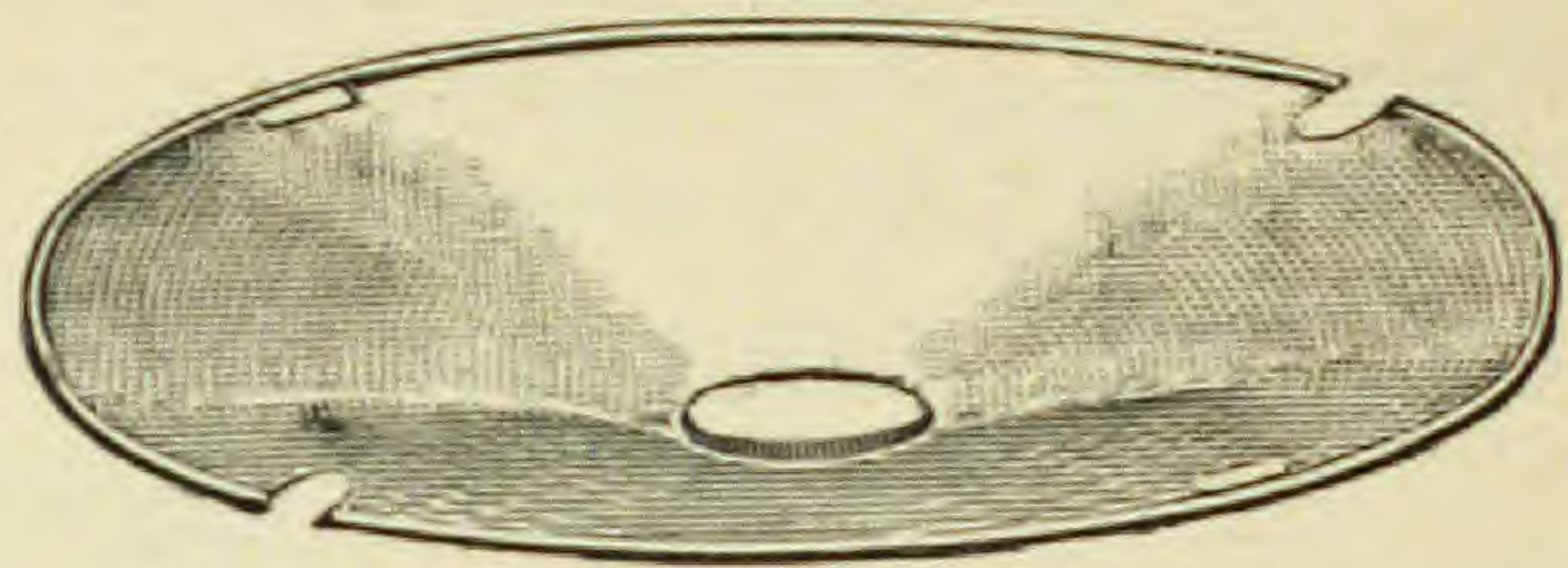
Cutter's
Adjusting
Clamp
"Wick."



CUTTER'S "ALWAYS LEVEL" STREETHOOD.

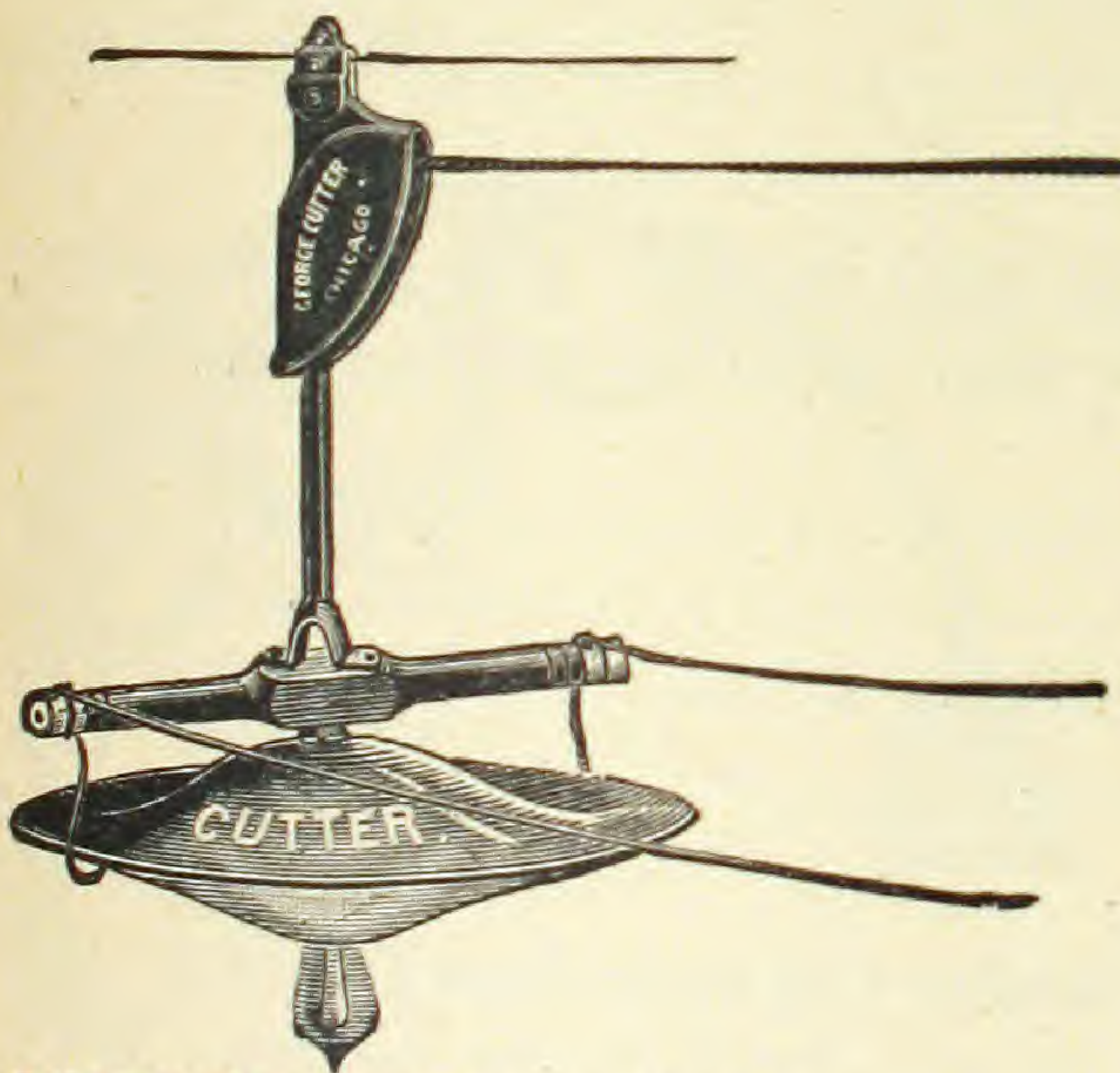


CUTTER'S CENTER HOOD.



CUTTER'S PORCELAINIZED
REFLECTOR.

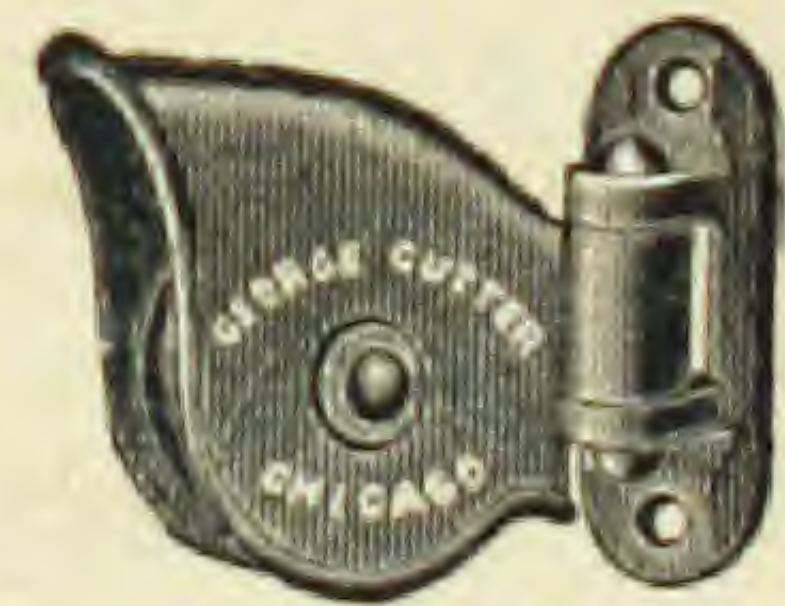
"VIXEN."



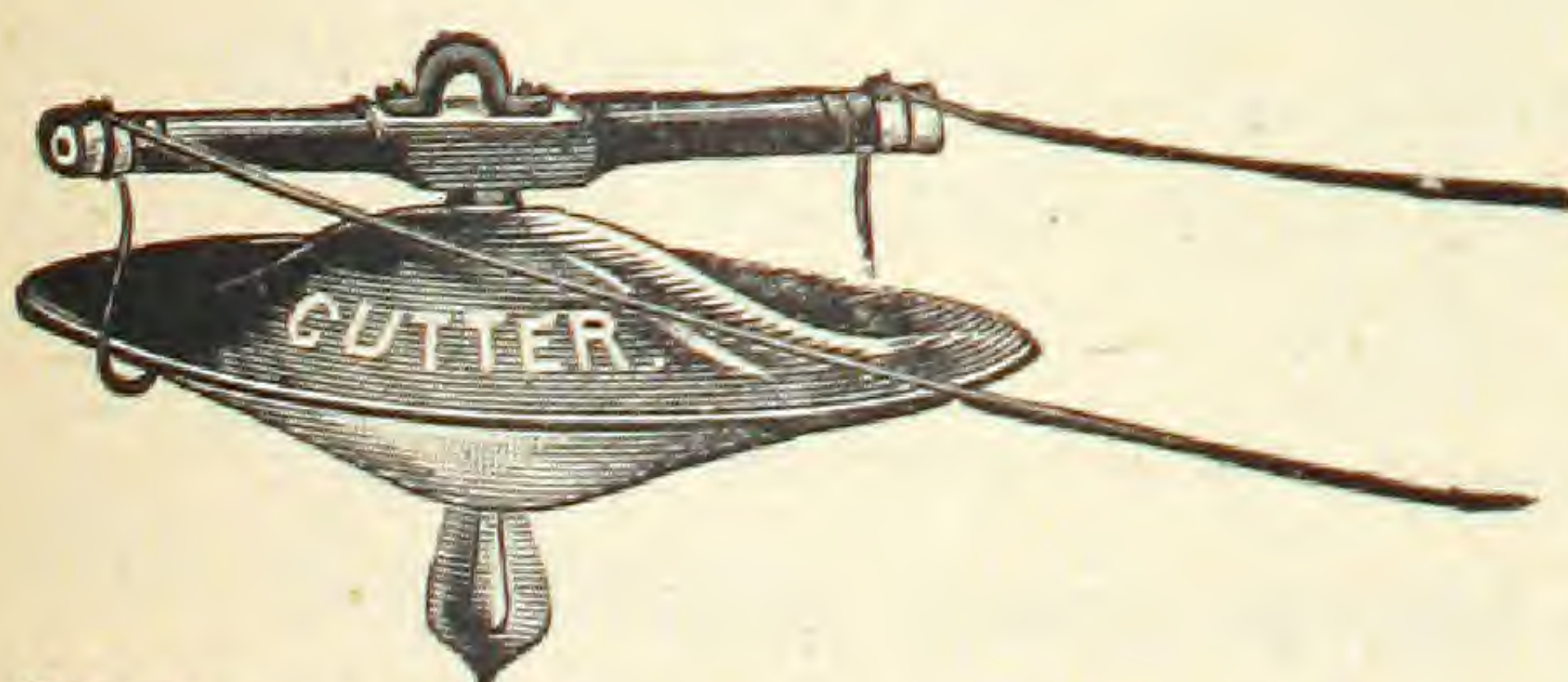
CUTTER'S SWINGING HOOD
(WITH PETITE PULLEY.)



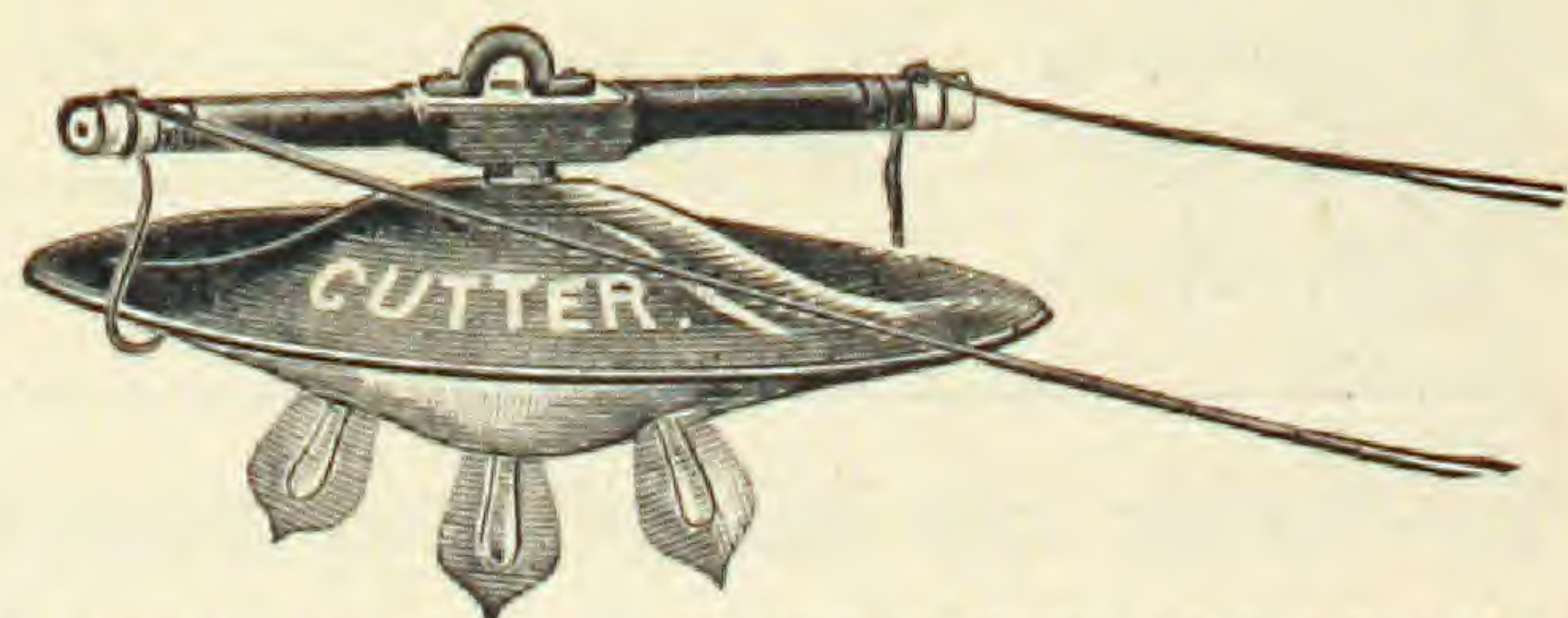
CUTTER'S MIDGET
CHANGEABLE
PULLEY.
"WAMPUM."



CUTTER'S MIDGET
POLE
PULLEY.
"WANDERER."



CUTTER'S LOOPED HOOD.



CUTTER'S 3-LIGHT LOOPED HOOD.

CUTTER'S SUSPENSION BELL

FOR Nernst, Meridian or other Edison base lamps. Has a steel protecting bell fitted with a porcelain shell socket, and a supporting cross-arm carrying porcelain knobs.

With Edison base socket	(Visage)	\$1.25
Same with Insulating Hook instead of socket (for 3 and 6 glower Nernst lamps)	(Vision)	1.25

CUTTER'S NERNST OUTLET

HAS a protecting bell fitted either with an Edison socket or with an insulating hook. The supporting pipe extends 1 foot inside of the flange and 3, 4 or 5 feet outside of the same.

With Edison socket, 3-foot extension.....	(View)	\$1.55
Same with 4 foot extension.....	(Viewer)	1.62
Same with 5 foot extension.....	(Viewing)	1.69
With insulating hook (for 3 and 6 glower Nernst lamps) 3-foot extension	(Vigil)	1.55
Same with 4 foot extension.....	(Vigilant)	1.62
Same with 5 foot extension	(Vigilance)	1.69

CUTTER'S BELL CROOK

AN ornamental crook with a cap to fit iron pipe of 1¼-inch bore.

With Edison base socket	(Vital)	\$3.00
Same with insulated hook.....	(Visual)	3.00

CUTTER'S BELL CRANE (Same as the above without ornamentation)

With Edison base socket.....	(Vitalize)	\$2.00
Same with insulated hook.....	(Vitality)	2.00

CUTTER'S BELL BRACKET

FOR Nernst, Meridian or other Edison base lamps. Has the protecting bell supported by an iron gooseneck, and fitted with a porcelain shell Edison socket.

With 3-foot gooseneck	(Vibrate)	\$1.57
Same with Brace Arm for back of pole.....	(Vibration)	1.85
Without Brace Arm but with 4-foot gooseneck.....	(Vibrating)	1.64
Same with Brace Arm for back of pole.....	(Vibrator)	1.92

CUTTER'S COUNCIL BRACKET

A 5 foot ornamental bracket, with heavy (¾-inch bore) piping supporting a protecting bell. Wires can be run through the piping. With Edison socket

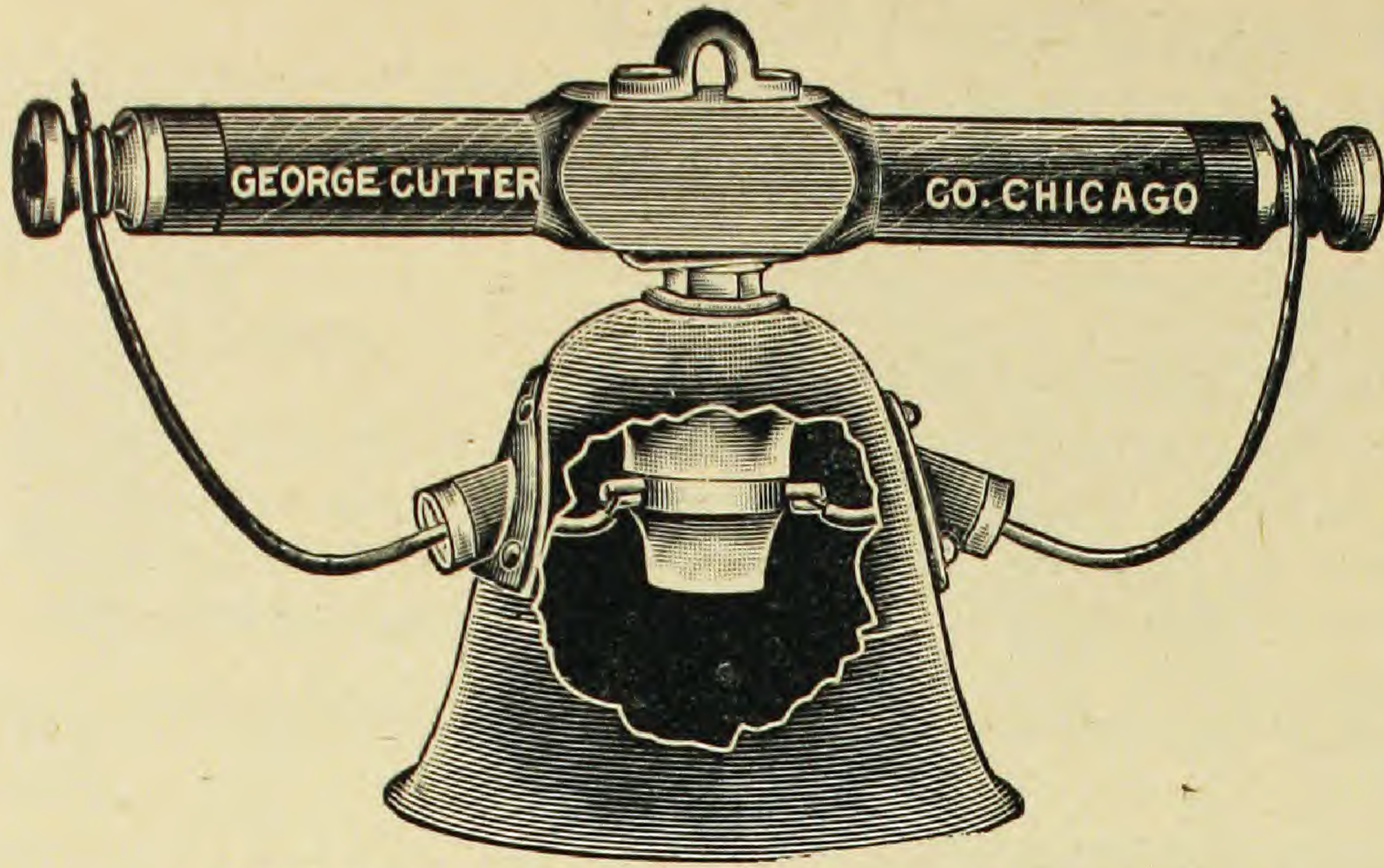
.....	(Visitor)	\$2.00
Same with Insulating Hook for 3 or 6 glower Nernst lamp.....	(Visitation)	2.00

CUTTER'S PORCELAINIZED REFLECTOR (Cut page 65)

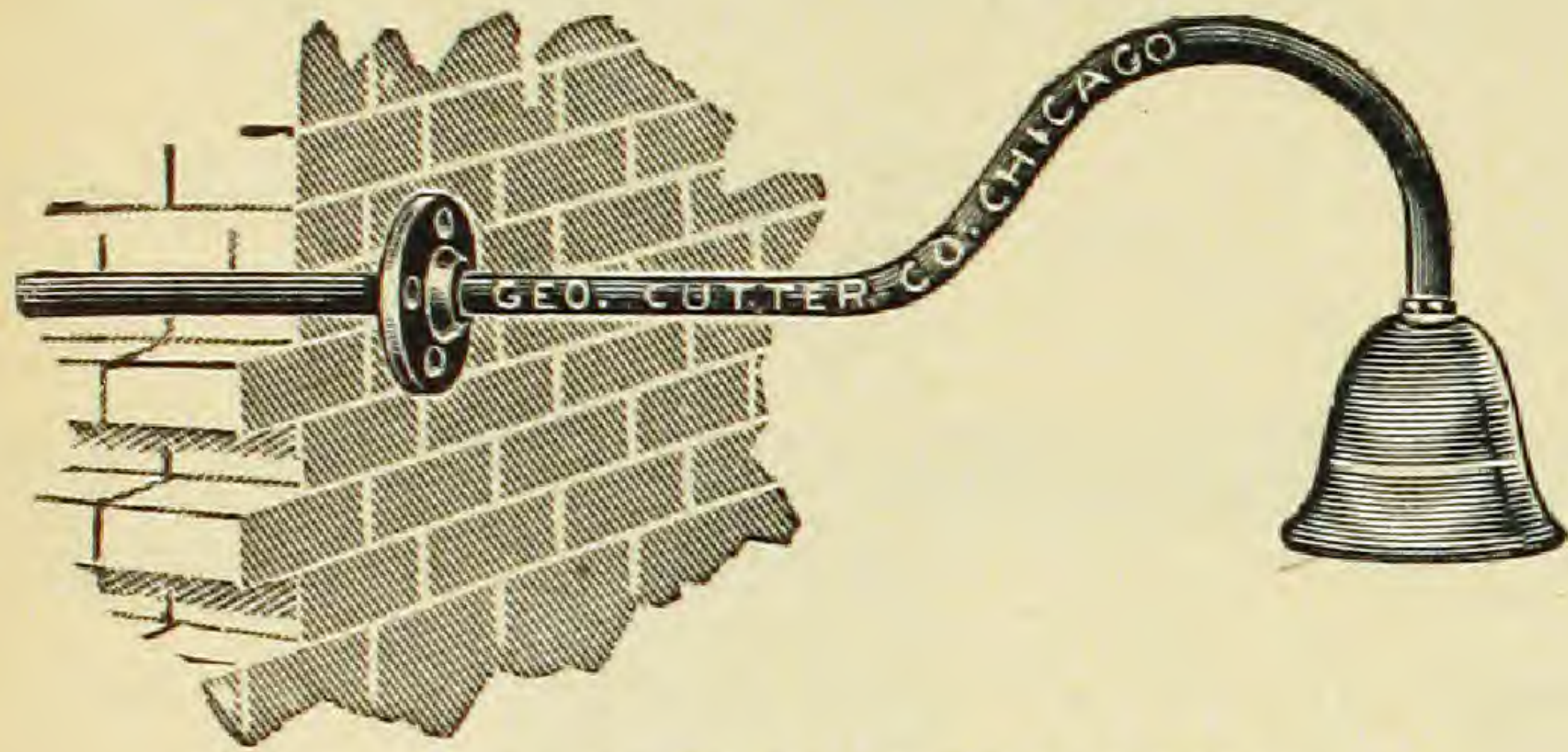
MADE of extra heavy steel, finished at high heat with a glossy (bath-tub) enamel. An extra glossy and extra durable reflector, fitting all types of Cutter's Streethoods except the "Twelve Inch Bracket Hood."

Price, alone	(Vixen)	\$0.70
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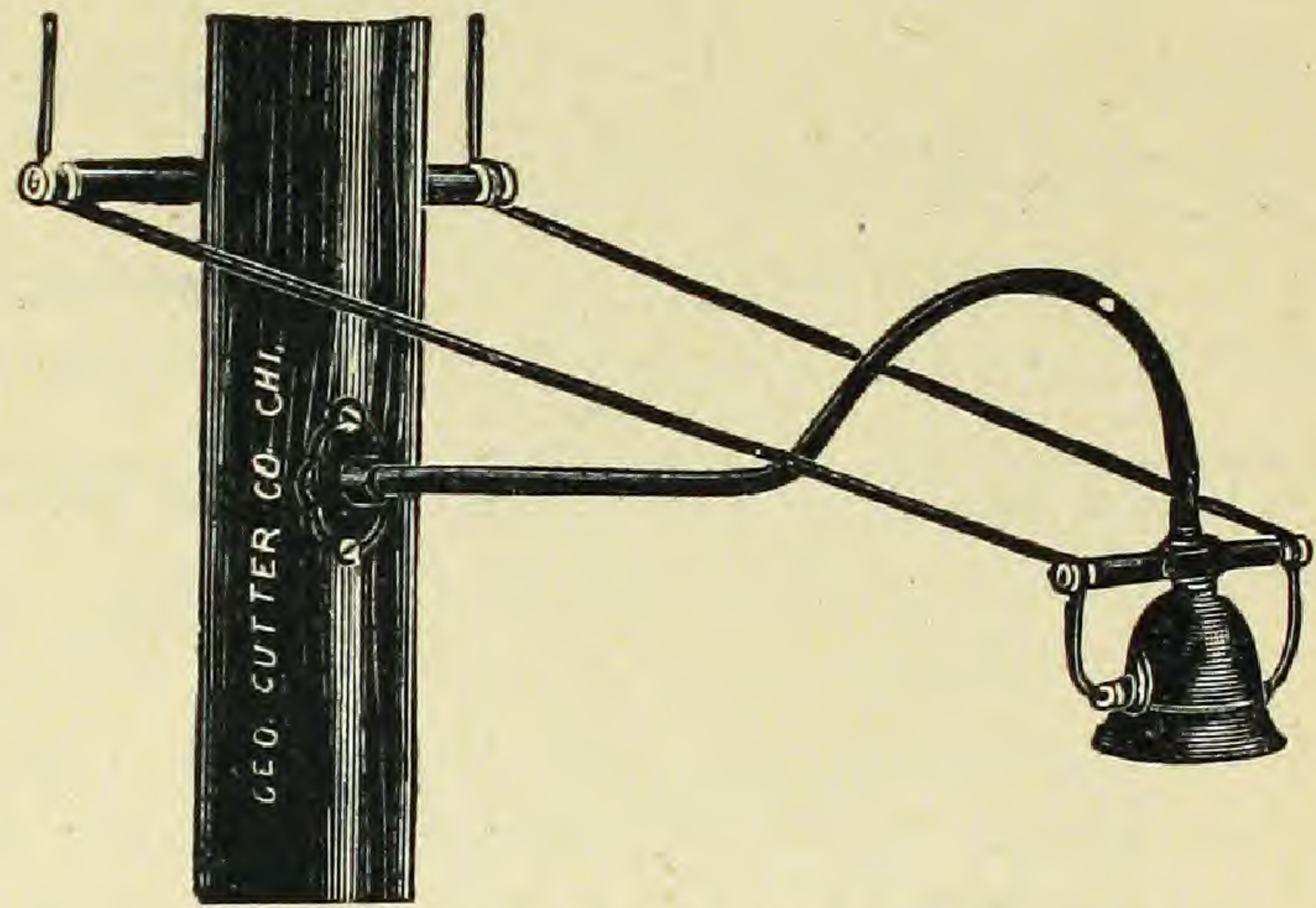
To treble the life of your street fixtures, recoat them occasionally with
Cutter's Paints.



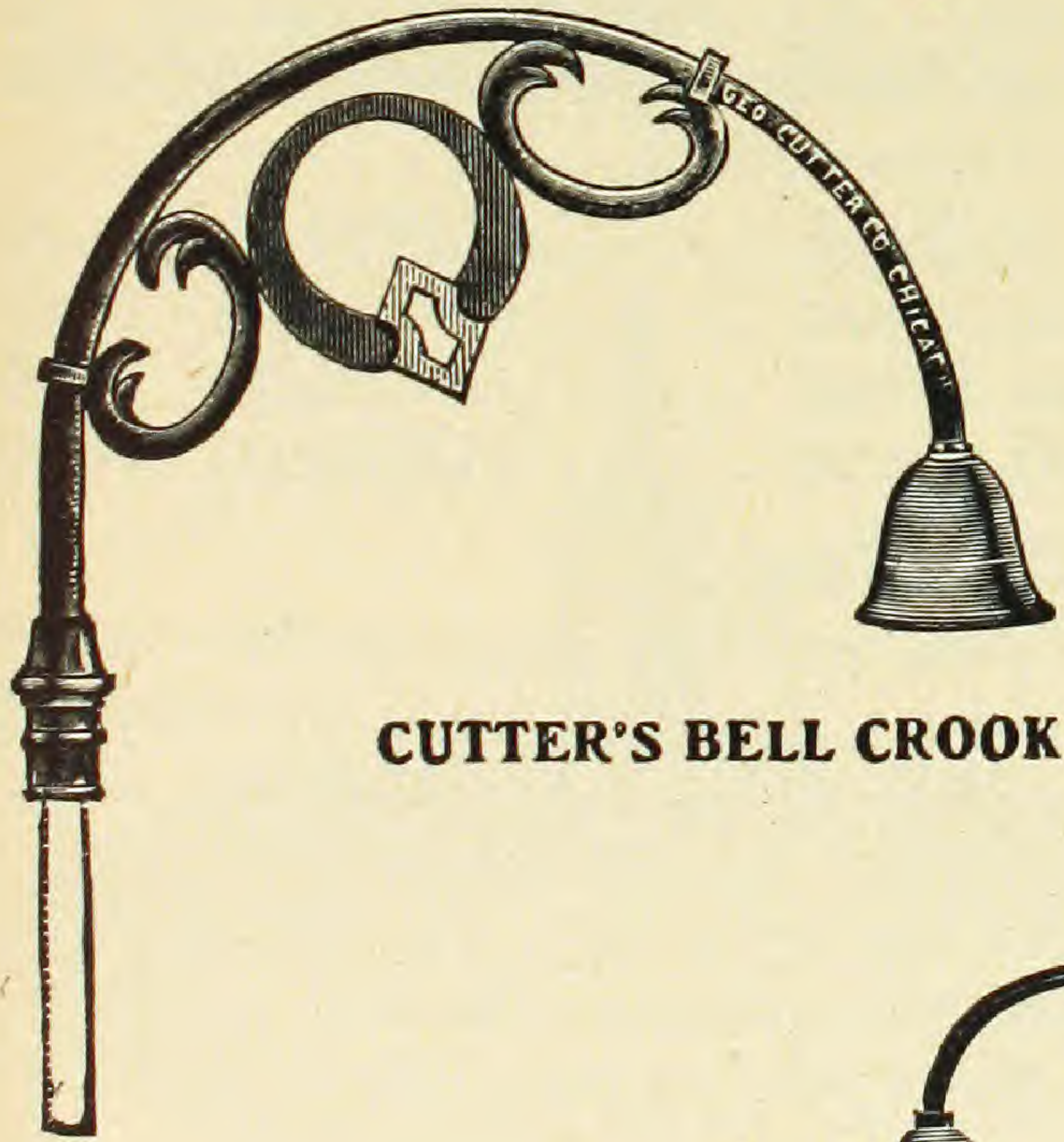
CUTTER'S SUSPENSION BELL.—"VISAGE."



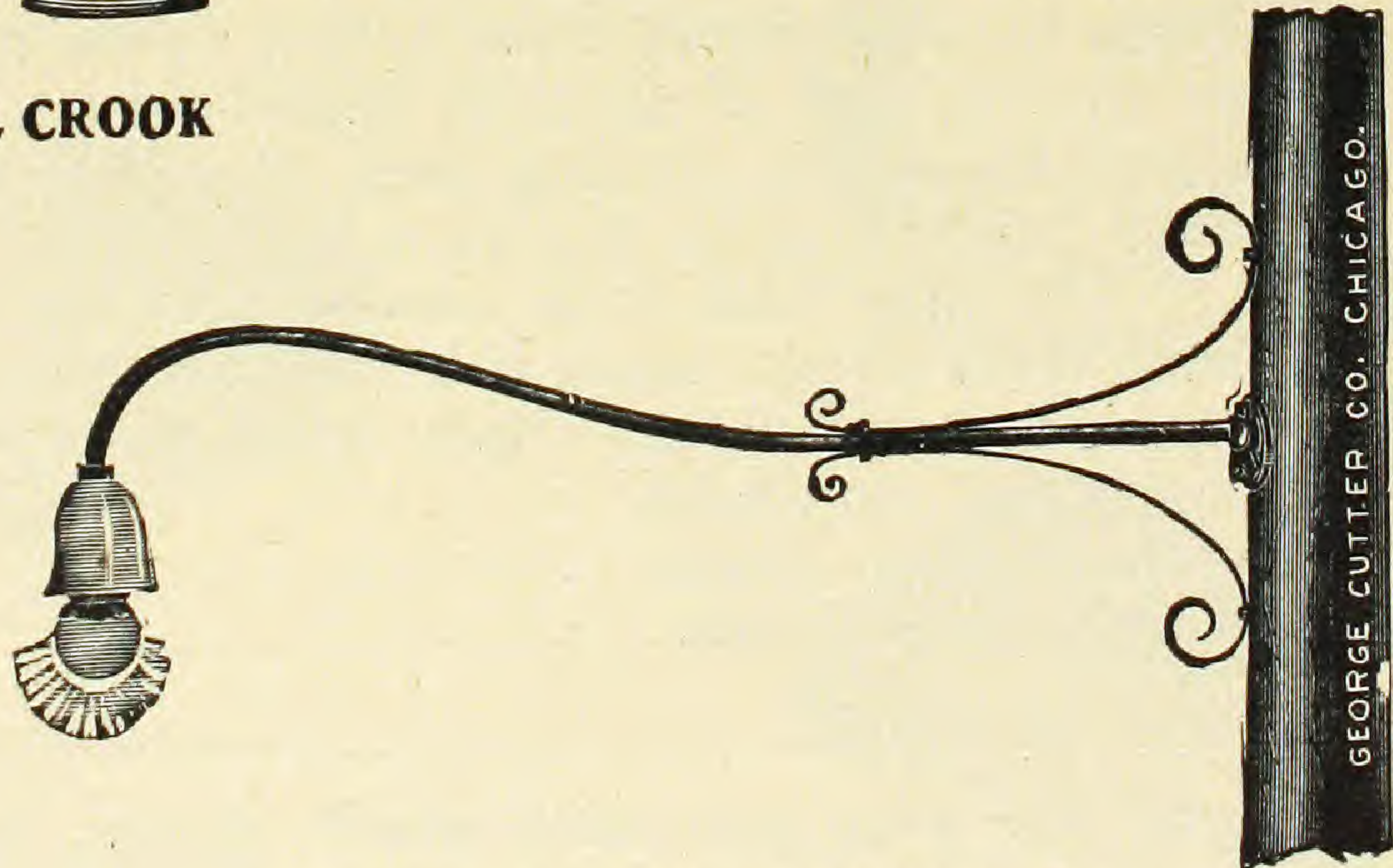
CUTTER'S NERNST OUTLET.



CUTTER'S BELL BRACKET.



CUTTER'S BELL CROOK



CUTTER'S COUNCIL BRACKET.

CUTTER'S STREETHOOD NOZZLE

AN open-side nozzle to fit either the regular multiple sockets ($\frac{1}{8}$ -inch brass thread) or the larger series sockets ($\frac{3}{8}$ -inch iron thread).
 Series Nozzle $\frac{3}{8}$ -inch thread.....(Wife) \$0.10
 Multiple Nozzle $\frac{1}{8}$ -inch thread(Winter) 0.10

CUTTER'S STREETHOOD SOCKET

HAS the metal terminals well insulated from the threaded flangs, which fastens it to the hood proper. The terminals are exposed on the porcelain shell so that the wires can be run direct to them without being fished through a narrow opening, thus making a socket that is quickly wired and sure to give high insulation.
 Price, complete, for T-H base lamps.....(Wish) \$0.25
 Price, complete, for Westinghouse base lamps.....(Wishing) 0.25
 Price, complete, for Edison base lamps.....(Wishful) 0.25

CUTTER'S HOOD FORK

FITS the General Electric No. 25713 Porcelain Receptacle, allowing this and the No. 25711 Porcelain Series Socket to be used with any form of Cutter's Streethoods.
 Price (Wishbone) \$0.10

CUTTER'S BRACE ARM

AN enameled and metal bound arm for guiding the wires to streethoods. Complete with curved pole plate(Wisdom) \$0.28

CUTTER'S VOLTMETER SWITCH

FOR connecting one voltmeter with any one of two or more circuits so that a single first-class instrument can be used in place of half a dozen cheap and unreliable ones. Mounted on polished hard rubber base, with adjustable spring contacts. By connecting two of the terminals to the ground it becomes an excellent ground-detector, such as is now called for by the Board of Underwriters.

2 circuit .....(Witch) \$ 5.00	8 circuit .....(Within) \$11.00
3 circuit .....(Withdraw) 6.00	10 circuit .....(Without) 12.00
4 circuit .....(Witchery) 7.50	12 circuit .....(Witty) 13.50
6 circuit .....(Witchcraft) 10.00	16 circuit .....(Witness) 16.00

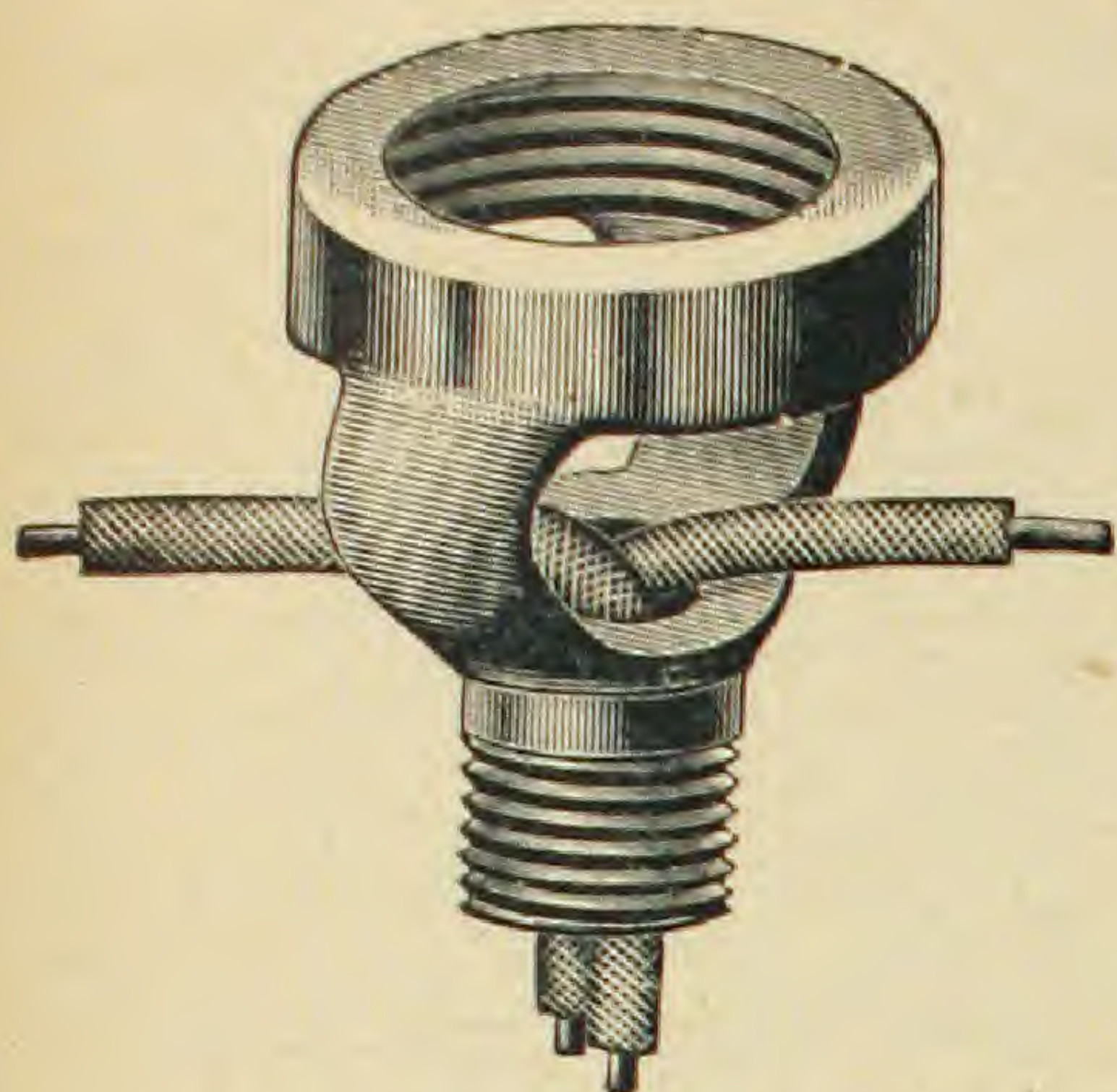
CUTTER'S COMBINATION TIN SHADES

WERE the first shades made with a clamp attached direct to them so as to save the cost of an extra shadeholder. The new style of clamp is adjustable to the varying sizes of socket shells (excepting the large shell Edison), so as to give a firm support for the shade.

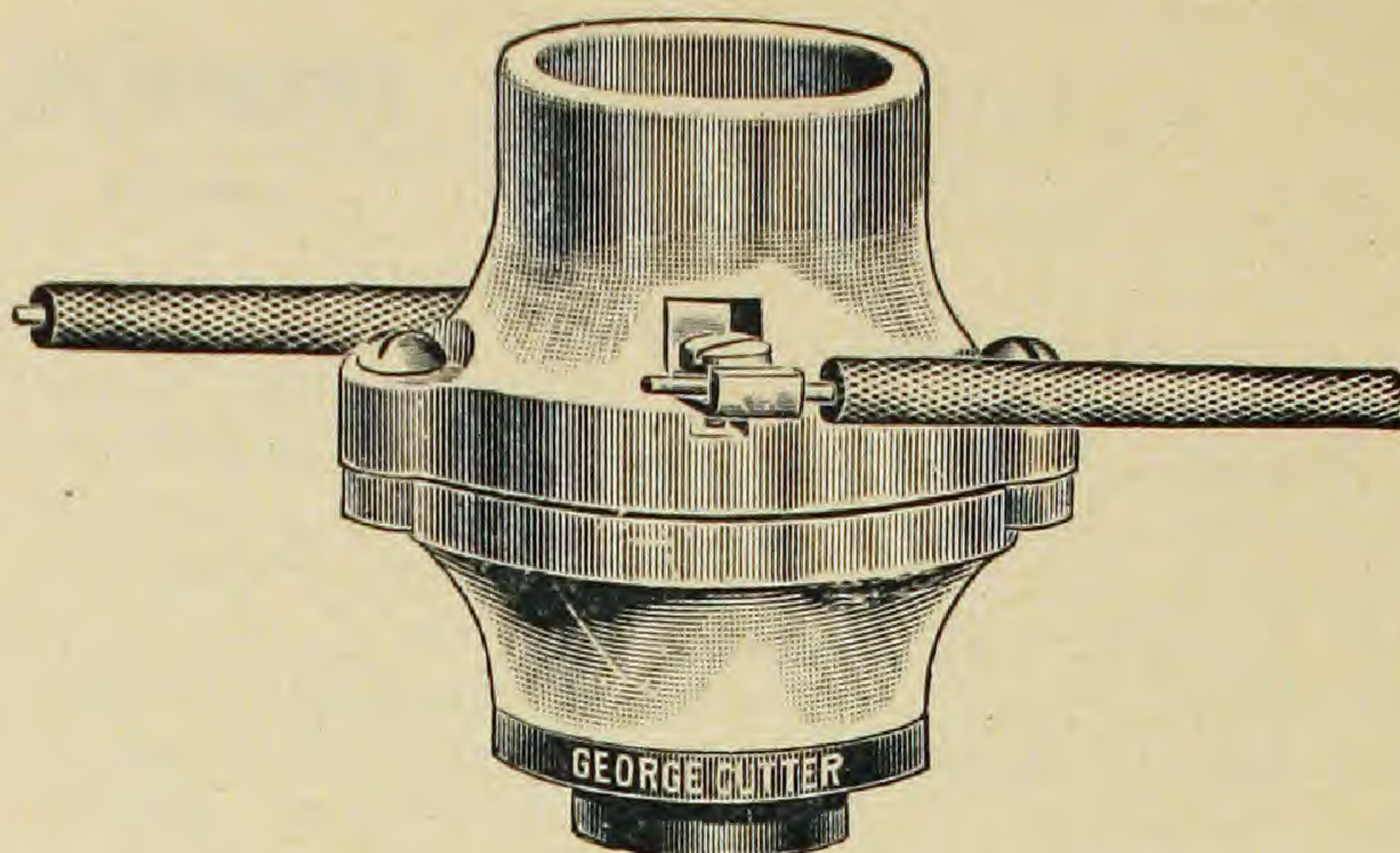
The deep cone form concentrates the light and also protects the lamp from injury, hence it is specially recommended for use in offices, warerooms and shops. Both forms are green on top, white enameled inside and ventilated.

Cone Combination Shade .....(Wigwam) \$0.22
Flat Combination Shade .....(Wielding) 0.12 $\frac{1}{2}$

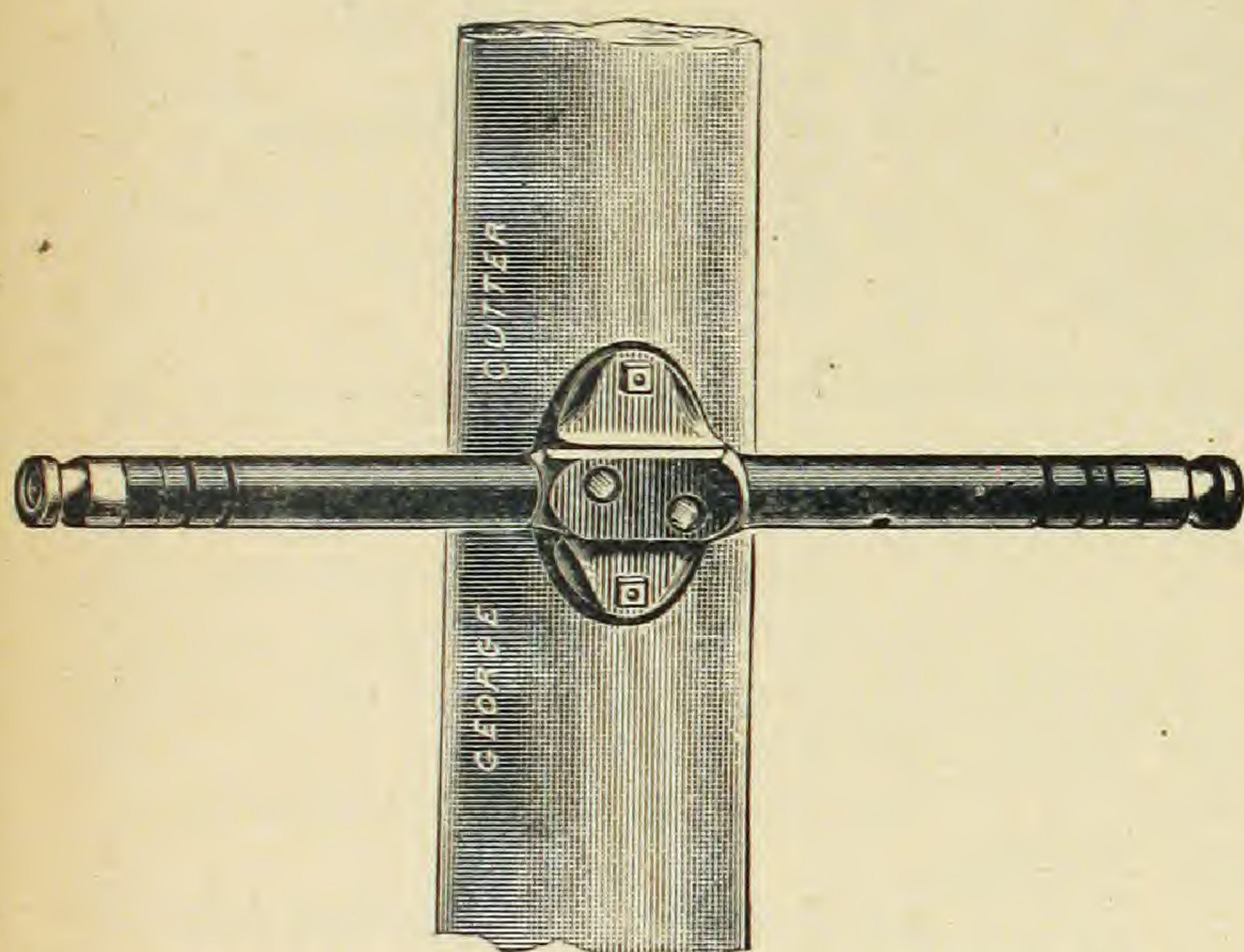
Did you find what you were after? If not, write us about your wants.



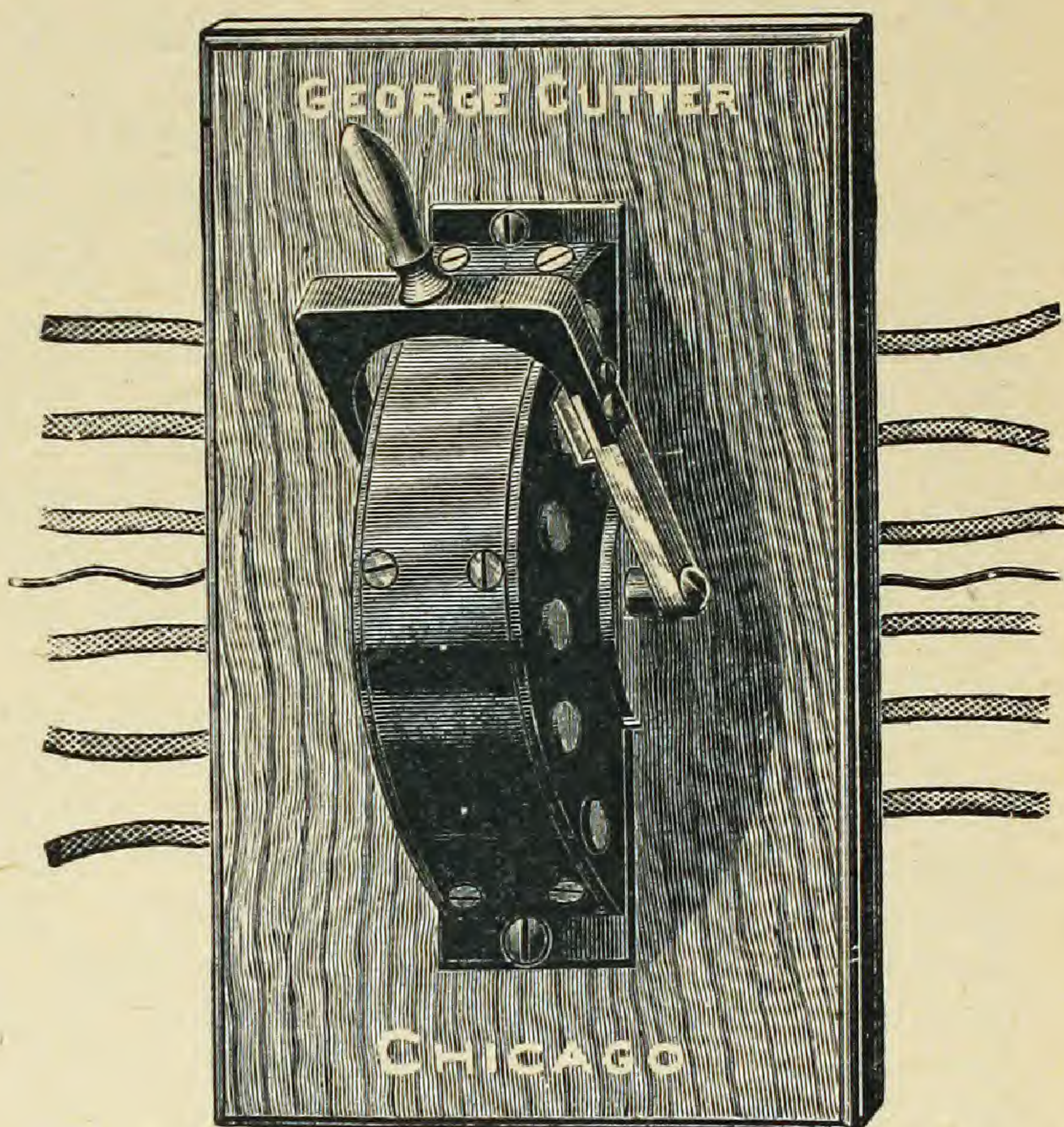
CUTTER'S MULTIPLE NOZZLE.



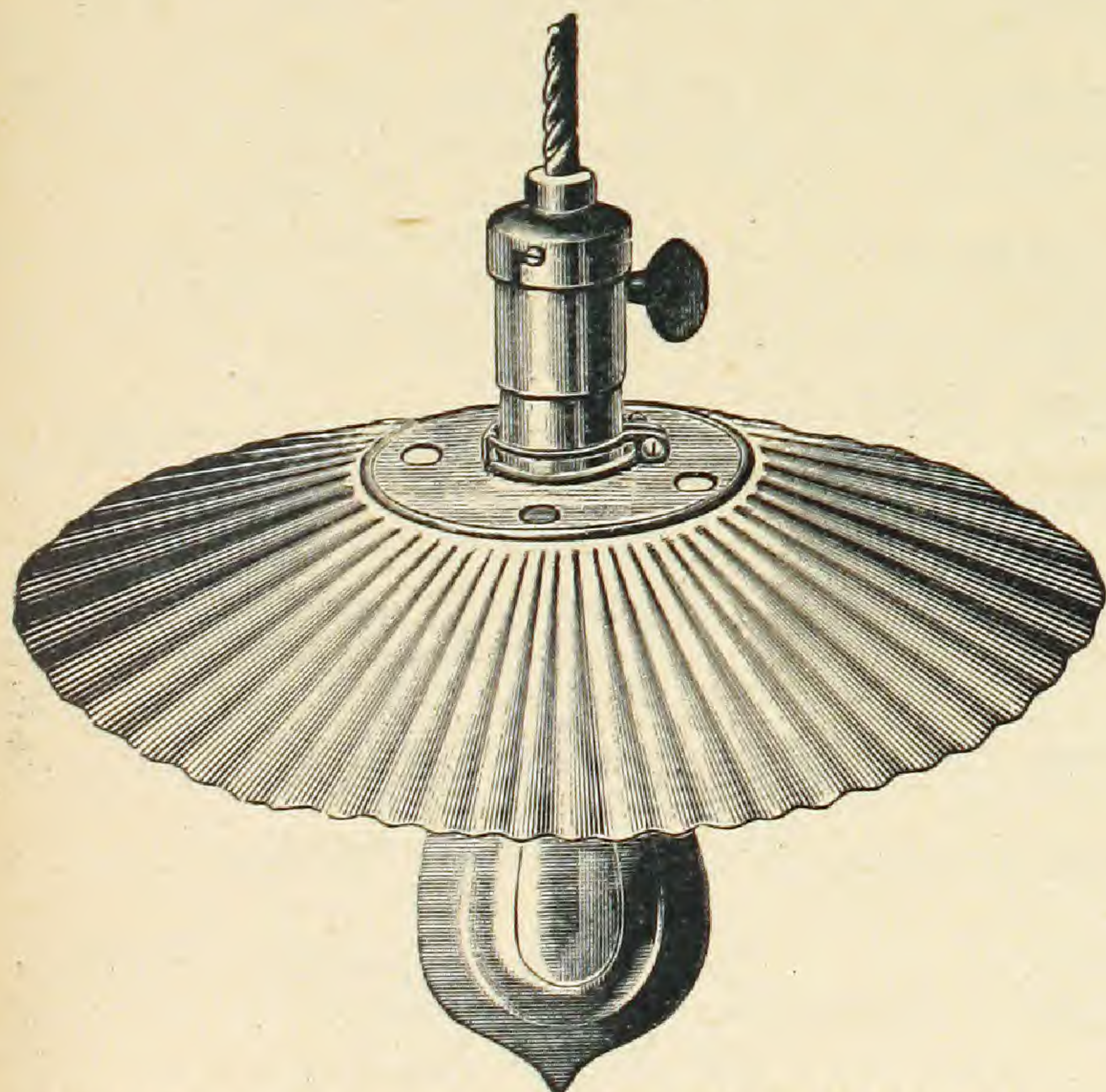
CUTTER'S STREETHOOD SOCKET.



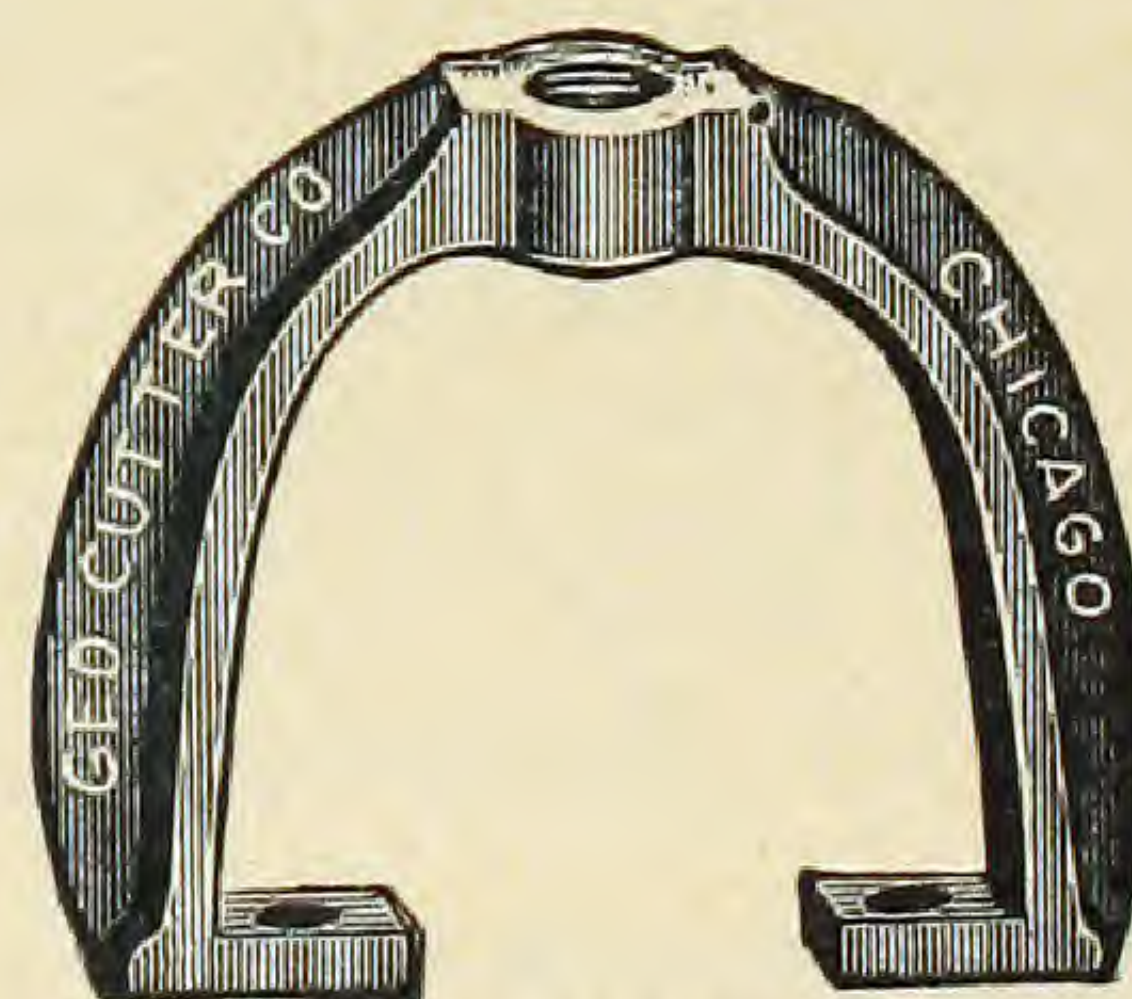
CUTTER'S BRACE ARM.—"WISDOM."



CUTTER'S VOLTMETER SWITCH.



CUTTER'S FLAT COMBINATION SHADE.
"WELDING."



CUTTER'S HOOD FORK.
"WISHBONE."



CUTTER'S CONE SHADE.
"WIGWAM."

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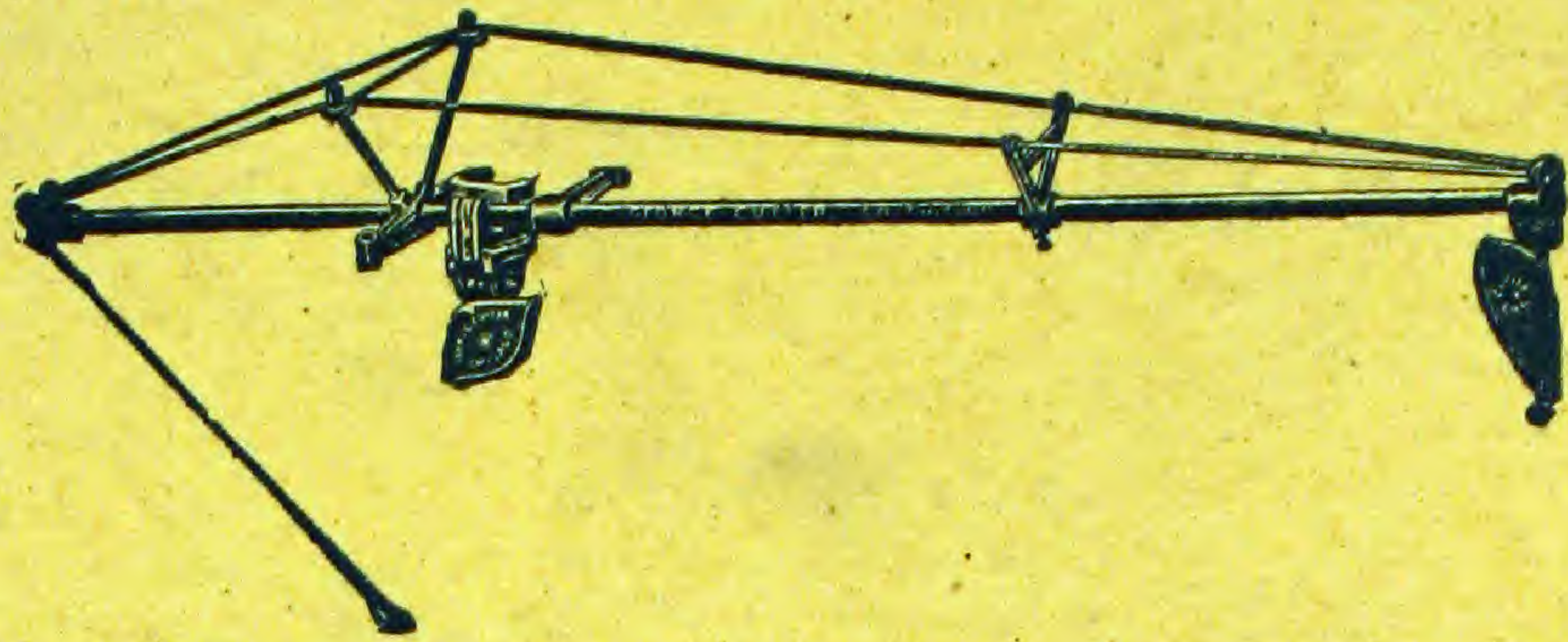
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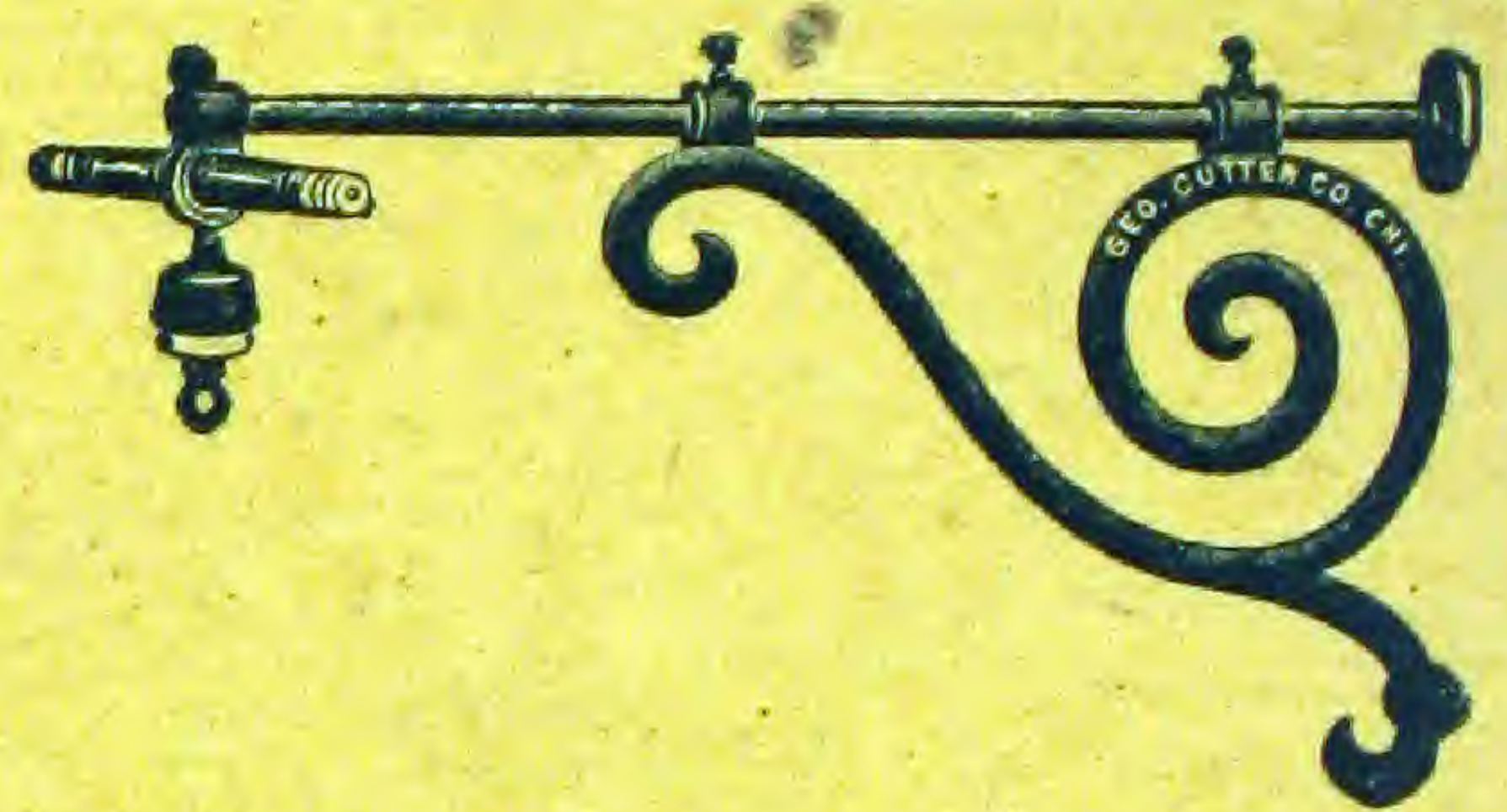
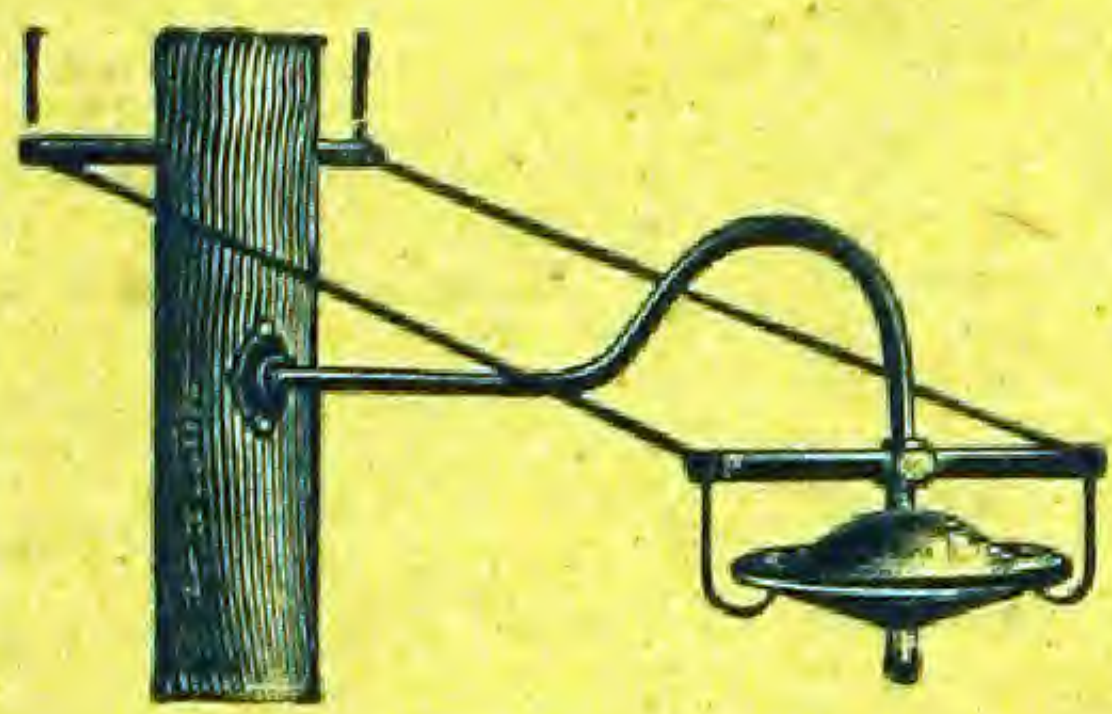
"Donald"—Have you in stock? If not, how soon can you ship?
 "Daniel"—Add to our order.
 "David"—Change our order to call for....
 "Gabriel"—How soon can you make complete shipment of....
 "Henry"—Will send shipping instructions later.

"Enoch"—Can ship in....
 "Eustace"—Can begin shipping at once and complete in....
 "Joshua"—Answer by mail.
 "Howard"—Referring to our communication dated the....
 "Honora"—Referring to your communication dated the....

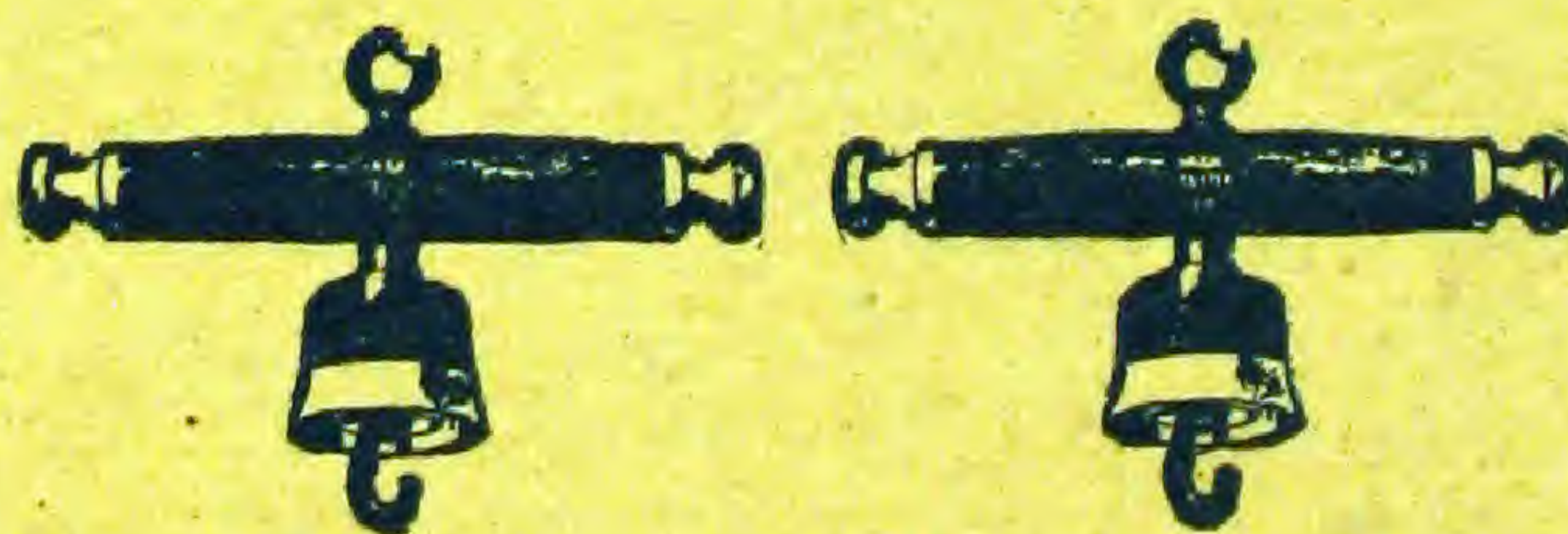


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